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Synopsis of the Parasites of Domesticated Mammals of Canada

Murray J. Kennedy

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Synopsis of the Parasites of Domesticated Mammals of Canada

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Abstract

The revised edition of this synopsis contains Parasite-Host and Host-Parasite lists of 247 species of parasites from seven domesticated mammals. Four species, the goat (*Capra hircus*), ox (*Bos taurus*), pig (*Sus scrofa*), and sheep (*Ovis aries*) belong in the Artiodactyla; one species, the horse (*Equus caballus*) in the Perissodactyla; and two species, the cat (*Felis catus*) and dog (*Canis familiaris*) belong in the Carnivora. The 247 species of parasites are distributed among higher taxa as follows: Protozoa - 47; Trematoda - 13; Cestoidea - 22, Nematoda - 109; Acanthocephala - 2; Chelicerata -21; and Uniramia - 33.

Preface to the Second Edition

About two years have elapsed since the publication of the first edition of this synopsis. During this interval I have tried to gather pertinent references and literature necessary for the publication of this revised edition. The major effort involved in this revision has been directed toward updating and improving the accuracy and coverage of the material presented. As a result, 76 titles in technical journals was gathered and added to the original 185 titles. Additional papers were reviewed, and many placed in the list for supplementary reading. Colleagues have been generous in sending me reprints of their work and pointing out ommissions in the first edition. The general organization and approach utilized in the first edition has been retained in the revised edition. New entries have been made for most groups, especially the Protozoa and Chelicerata. The recent trend to omit specific names for the cysticerci of the various *Taenia* spp. has been adopted.

Introduction

The compiled information covers the period from 1877 to December 1987 and was extracted from numerous publications in the primary scientific literature. Journal series such as the Canadian Journal of Zoology, Canadian Journal of Research, Canadian Veterinary Journal, Journal of Protozoology, Proceeding of the Helminthological Society of Washington, and the Journal of Parasitology were searched in their entirety. Abstracting series such as Zoological Records, Helminthological Abstracts, Protozoology Abstracts, and Veterinary Bulletin were scanned for additional references. Theses and reports of federal and provincial governments and of other institutions were not searched extensively, hence, some existing records may have been omitted.

In providing references to the parasite-host-distribution data, I have included only reports based on original records, but screening all reports to ensure complete exclusion of repetitive records based on the same material was not possible. Publications that do not provide original parasite-host-distribution records but deal with some aspect of Canadian veterinary parasitology are compiled in a supplementary list of references.

I conducted a least squares regression analysis on the number of papers published since 1877 (Figure 1) to estimate the number of publications we may expect to see in the 1980's. The estimate was based on the multivariate general linear model: $y = mx + b$ where y is a vector of dependent variables, x is a vector of independent variables, b is a vector of regression coefficients, and m is a vector of random errors. The analysis predicted 96 papers will be published in the 1980's. In the present synopsis 64 papers up to December 1987 were reviewed.

The synopsis indicates that up to December, 1987, at least 247 species of parasites have been reported from seven species of domesticated mammals. Parasites not identified to the species level are not included in the total. The 247 species are divided among major taxa as follows: Protozoa - 47; Trematoda - 13; Cestoidea - 22; Nematoda - 109; Acanthocephala - 2, Chelicereta - 21; and Uniramia - 33.

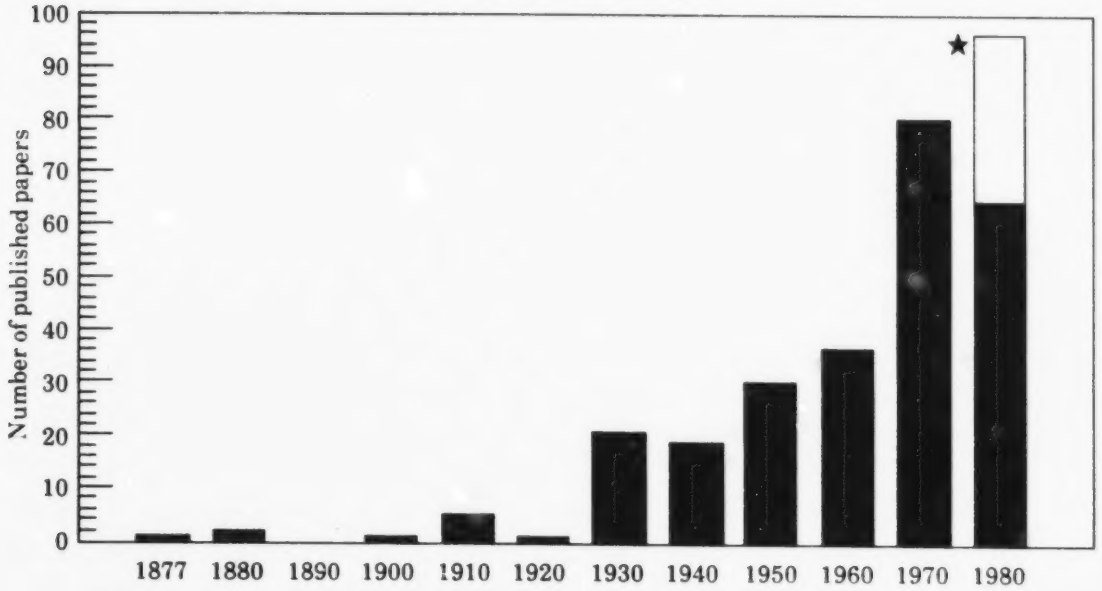
The taxonomic arrangement adopted for each phylum or class of parasitic organism included in Canadian records, in most cases, is as follows:

Protozoa - Levine et al. (1980)
Trematoda - Brooks et al. (1985)
Cestoidea - Schmidt (1986)
Nematoda - Anderson et al. (1974-1983)
Acanthocephala - Amin (1982)
Acarina - Krantz (1978)
Diptera - Arnett et al. (1980)
Mallophaga - Emerson (1972)
Siphonaptera - Holland (1984)
Siphunculata - Strojanovich and Pratt (1965)

Host nomenclature and classification conforms to that of Nowak and Paradiso (1983). The entries in the synopsis are organized in accordance with the format used by Margolis and Arthur (1979) in their **Synopsis of the parasites of fishes of Canada**.

The Parasite-Host List is organized by higher taxa of parasites in the following order: Protozoa, Platyhelminthes (Trematoda, Cestoidea), Nematoda, Acanthocephala, Chelicerata and Uniramia. Species, genera, and family names are listed in alphabetical order within their respective next higher

Figure 1 Number of papers published on the parasites of domesticated mammals from 1877 to December, 1987.



★ Predicted number of papers published by the end of 1989.

taxon, which in the case of a family is either a superfamily or an order, depending on the group in question and the usefulness of including the superfamily or order category.

For each parasite species listed, the following information is provided:

1) The current **scientific name**, including author(s) and date(s), followed by any recognized synonyms that may have been used in establishing the Canadian record(s). No attempt has been made to evaluate systematically the validity of published records, but attention is drawn to obvious errors. Adult and larval stages are recorded separately for the Cestoidea and Nematoda.

2) The **site** of occurrence of the parasite in its host(s) (aberrant sites usually are not included). When the site was not given, the likely site was determined from other records, and is placed in square brackets.

3) The **hosts**. Numbers in parentheses after each host name correspond with the numbers assigned to the references establishing the particular parasite-host records.

4) **Distribution** (**Dist.**) Species distribution is indicated by Provincial or Territory boundaries listed in alphabetical order as follows: Alta (Alberta), BC (British Columbia), Man (Manitoba), NB (New Brunswick), Nfld (Newfoundland, includes Labrador), NS (Nova Scotia), NWT (Northwest Territories), Ont (Ontario), PEI (Prince Edward Island), Que (Quebec), Sask (Saskatchewan), and YT (Yukon Territory).

5) Authors responsible for the published **records** are listed in chronological order. To enable the reader to grasp at a glance the author(s) responsible for particular parasite-host-locality records the references are numbered and listed under "Records" and the corresponding number(s) placed after the host name. Each reference is followed by the locality or localities from which the parasite was (were) reported. When only one host is listed for a particular parasite, the references are not numbered, and when all records are from the same locality, the latter was not listed after the authors' names.

6) Under **remarks**, explanatory comments, as required, are offered on systematics, nomenclature, misidentifications, and synonyms of parasites; and on the hosts, sites within hosts, and validity of previous records.

In the Host-Parasite List, within each order, the families, genera, and species are listed alphabetically. After the name of each parasite species, its geographic distribution in the host in question is given in parentheses.

The REFERENCES are given in two parts, the first includes those directly referred to in the text, and the second, SUPPLEMENTARY REFERENCES, contains a list of publications dealing with various aspects of parasites of Canadian domestic mammals but which do not contain original parasite-host records.

To facilitate access to information in the parasite-host and host-parasite lists, the publication concludes with an INDEX to parasite and host scientific names.

There is no comprehensive summary of the parasites of dometicated mammals of Canada. Therefore, the need for the present volume was obvious. I hope this synopsis will prove useful to biologists and zoologists generally, and to practitioners and veterinary parasitologists particularly. My role as author was one of selection, arrangement and organization of a large mass of published information. I have tried to be complete, accurate, concise and consistent from one section to another. I tried to keep each section up to date in accordance with the latest classification schemes. For the most part, only parasitic organisms are included. Commensals, micropredators, pests, phoretic mites, etc. are not included.

The list of references at the end include older classical papers as well as recent contributions. Papers pertinent to parasites of domesticated mammals, but do not themselves constitute new records from Canada, are referenced in a section on supplementary reading.

Obviously a book of this sort is bound to have errors and ambiguities, and certainly such faults are my responsibility. I hope readers will bring them to my attention. I also hope that colleagues will send me reprints of the current work or papers I missed so that these additions or corrections can be included in future revisions of the synopsis.

In a sense, this book constitutes a plea and encouragement for more work on our poorly known parasite fauna. I hope this synopsis will kindle interest and raise questions in the minds of future investigators in veterinary parasitology.

PARASITE-HOST LIST

KINGDOM ANIMALIA
SUBKINGDOM PROTOZOA

PHYLUM APICOMPLEXA

CLASS SPOROZOEA

ORDER EUCOCCIDIIDA

SUBORDER ADELEINA

Klossiella equi Baumann, 1946
Site: kidney
Host: *Equus caballus*
Dist.: NB
Record: Austin and Dies 1981

SUBORDER EIMERIINA

Cryptosporidium spp.
Site: intestine
Host: *Bos taurus (1,3,4)*
Equus caballus (2)
Sus scrofa (5)
Dist.: Man, Ont, Sask
Record: 1. Sanford and Josephson 1982 (Ont); 2. Gajadhar et al. 1985 (Sask); 3. Mann et al. 1986 (Man); 4. Mann et al. 1987 (Man); 5. Sanford 1987 (Ont)

Eimeria ahsata Honess, 1942
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, Sask
Records: Mahrt 1969 (Alta); Horton and Stockdale 1981 (Sask)

Eimeria alabamensis Christensen, 1941
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Record: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria arloingi (Marotel, 1905) Martin 1909
Site: [intestine]
Hosts: *Bos taurus (2)*
Ovis aries (1,2)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria aubernensis Christensen and Porter, 1939
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta); Reid and Madill 1987 (Ont)

Eimeria bovis (Zublin, 1908) Fiebiger, 1912
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria bukidnonensis Tubangui, 1931
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria canadensis Bruce, 1921
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria canis Wenyon, 1923
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont, Que
Records: Choquette and Gelinas 1950 (Que); Slocombe 1973a (Ont)

Eimeria crandallis Honess, 1942
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria cylindrica Wilson, 1931
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria debliecki Douwes, 1921
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont, Que
Records: Slocombe 1973a (Ont); Robinson and Morin 1982 (Que)

Eimeria ellipsoidalis Becker and Frye, 1929
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria faurei (Mouseu and Marotel, 1902) Martin, 1909
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria granulosa Christensen, 1938
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria illinoisensis Levine and Ivens, 1967
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta
Record: Kennedy and Kralka 1987 (Alta)

Eimeria intricata Spiegl, 1925
Site: [intestine]
Hosts: *Equus caballus (2)*
Ovis aries (1)
Dist.: Alta, Ont
Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)

Eimeria leuckarti (Flesch, 1883) Reichenow, 1940
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

Eimeria ninakohlyakimovae Yakimoff and Rastegaieff, 1930
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, Ont, Sask
Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont); Horton and Stockdale 1981 (Sask)

Eimeria ovina Levine and Ivens, 1970
Site: [intestine]
Host: *Ovis aries*
Dist.: Sask
Record: Horton and Stockdale 1981

Eimeria pallida Christensen, 1938
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria parva Kotlan, Mocsy, and Vajda, 1929
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, Ont, Sask
Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont); Horton and Stockdale 1981 (Sask)

Eimeria punctata Landers, 1955
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta
Record: Mahrt 1969

Eimeria wyomingensis Huizinga and Winger, 1942
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria zuernii (Rivolta, 1878) Martin, 1909
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)

Eimeria spp.
Site: [intestine]
Hosts: *Bos taurus (2)*
Ovis aries (1)
Dist.: Alta, Que
Record: 1. Swales 1940b (Que); 2. Kennedy and Kralka 1987 (Alta)

Isospora bigemina (Stiles, 1891) Luhe, 1906
Site: intestine
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Choquette and Gelinas 1950 (Que); Olson 1985 (Sask)

Isospora canis Nemeseri, 1959
Site: [intestine]
Host: *Canis familiaris*
Dist.: Sask
Record: Olson 1985

Isospora felis Wenyon, 1926
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Que
Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)

Isospora ohioensis Dubey, 1975
Site: [intestine]
Host: *Canis familiaris*
Dist.: Sask
Record: Olson 1985

Isospora rivolta (Grassi, 1879) Wenyon, 1923
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Que
Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)

Isospora suis Biester in Becker, 1934
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont, Que
Records: Sanford and Josephson 1981 (Ont); Robinson and Morin 1982 (Que); Morin et al. 1983 (Que)

Isospora wallacei Dubey, 1976
Site: [intestine]
Host: *Canis familiaris*
Dist.: Sask
Record: Olson 1985
Remarks: Levine and Ivens (1986) consider this species a synonym of *Toxoplasma bahiensis* (de Moura Costa, 1956) Levine, 1983.

Isospora spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3,4,5)*
Felis catus (5)
Dist.: Alta, NB, NWT, Que, Sask
Records: 1. Saunders 1949 (Alta); 2. Unruh et al. 1973 (Alta, NWT, Sask); 3. Anvik et al. 1974 (Sask); 4. Seah et al. 1975 (Que); 5. Malloy and Embil 1978 (NB)
Remarks: Saunders (1949) believed his species was probably *I. bigemina.*

Sarcocystis cruzi (Hasselmann, 1923) Wenyon, 1926
Site: [muscle]
Host: *Bos taurus*
Dist.: Sask
Record: Gajadhar et al. 1987

Sarcocystis hirsuta Moule, 1888
Site: [muscle]
Host: *Bos taurus*
Dist.: Sask
Record: Gajadhar et al. 1987

Sarcocystis spp.
Site: heart
Hosts: *Bos taurus (1,2,4)*
Equus caballus (1)
Ovis aries (3)
Dist.: Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Meads 1976 (Ont.); 3. Moteane et al. 1979 (Sask); 4. Gajadhar et al. 1987 (Sask)

Toxoplasma gondii Nicolle and Manceaux, 1908
Site: unspecified
Hosts: *Bos taurus (5)*
Canis familiaris (1,2,5)
Capra hircus (4)
Equus caballus (5)
Felis catus (1,3,5)
Ovis aries (5)
Sus scrofa (5)
Dist.: Ont, Que, Sask
Record: 1. Hulland 1956 (Ont); 2. Martin and Letarte 1977 (Que); 3. Nation and Allen 1976 (Sask); 4. Tizard et al. 1977 (Ont); 5. Tizard et al. 1978 (Ont)

Toxoplasma spp.
Site: brain, spinal cord, blood
Hosts: *Bos taurus (3)*
Canis familiaris (2)
Equus caballus (2,4)
Felis catus (1,2,3)
Ovis aries (2,3)
Sus scrofa (2)
Dist.: Ont, Que, Sask
Records: 1. Beauregard et al. 1965 (Que.); 2. Slocombe 1973a (Ont); 3. Pechere et al. 1977 (Que); 4. Clark et al. 1981 (Sask)
Remarks: Pechere et al. 1977 (Que) found antitoxoplasmic antibodies by passive haemagglutination testing.

Unidentified Eucoccidiida
Site: [intestine]
Hosts: *Bos taurus (2)*
Ovis aries (1,3)
Sus scrofa (4)
Dist.: Ont, Que, Sask
Records: 1. Griffiths 1937 (Que); 2. Slocombe 1973a (Ont); 3. Monteane et al. 1979 (Sask); 4. Morin et al. 1980 (Que)

PHYLUM CILIOPHORA

CLASS KINETOFRAGMINOPHOREA

ORDER TRICHOSTOMATIDA

Balantidium spp.
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

PHYLUM SARCOMASTIGOPHORA

SUBPHYLUM MASTIGOPHORA

CLASS ZOOMASTIGOPHOREA

ORDER DIPLOMONADIDA

FAMILY HEXAMITIDAE

Giardia canis Hegner, 1922
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Choquette and Gelinas 1950 (Que); Olson 1985 (Sask)

Giardia spp.
Site: [intestine]
Hosts: *Canis familiaris (1,3,4)*
Bos taurus (2)
Dist.: Alta, NS, Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Willson 1982 (Sask); 3. Cribb and Spracklin 1986 (NS); 4. Wallis et al. 1986 (Alta)

ORDER KINETOPLASTIDA

Trypanosoma equiperdum Doflein, 1901
Site: blood
Host: *Equus caballus*
Dist.: Alta
Record: Watson and Hadwen 1912

Trypanosoma rutherfordi Watson and Hadwen, 1912
Site: blood
Host: *Bos taurus*
Dist.: BC
Record: Watson and Hadwen 1912

Trypanosoma theileri Laveran, 1902
Site: blood
Host: *Bos taurus*
Dist.: Ont
Record: Woo et al. 1970; Julian 1971
Remarks: Julian (1971) recovered *T. theileri*-like flagellates

Trypanosoma uniforme Bruce et al., 1911
Site: blood
Host: *Bos taurus*
Dist.. Ont
Record: Woo et al. 1970
Remarks: Woo et al. (1970) stated only that the *Trypanosome* resembled *T. uniforme*.

Trypanosoma spp.
Site: blood
Host: *Bos taurus*
Dist.: BC
Record: Watson and Hadwen 1912

ORDER TRICHOMONADIDA

Trichomonas spp.
Site: intestine
Hosts: *Bos taurus (2)*
Canis familiaris (1)
Equus caballus (2)
Sus scrofa (2)
Dist.: Ont
Records: 1. Comfort and Axelson 1962; 2. Slocombe 1973a

SUBPHYLUM SARCODINA

CLASS LOBOSEA

ORDER AMOEBIDA

Endolimax nana (Wenyon and O'Conner, 1917) Brug, 1918
Site: [intestine]
Host: *Canis familiaris*
Dist.: Sask
Record: Unruh et al. 1973

Entamoeba blattae
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que
Record: Choquette and Gelinas 1950
Remarks: Choquette and Gelinas (1950) considered *C. familiaris* an unnatural host for *E. blattae*. This protozoan is normally a parasite of cockroaches and termites.

Entamoeba coli (Grassi, 1879) Casagrandi and Barbagallo, 1895
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Unruh et al. 1973 (Sask); Seah et al. 1975 (Que)

Entamoeba histolytica Schaudinn, 1903
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que, Sask
Records: Unruh et al. 1973 (Sask); Wittnich 1976 (Que)

SUBKINGDOM EUMETAZOA

PHYLUM PLATYHELMINTHES

CLASS TREMATODA

SUBCLASS DIGENEA

FAMILY DICROCOELIIDAE

Dicrocoelium dendriticum (Rudolphi, 1819) Looss, 1899
Syn.: *Dicrocoelium lanceolatum* Stiles and Hassal, 1898
Site: bile ducts
Hosts: *Bos taurus (5,6)*
Ovis aries (1,2,3,4)
Dist.: BC, Nfld, NS, PEI, Que
Records: 1. Conklin and Baker 1930 (NS, PEI, Que); 2. Swales 1933a (Que), 3. 1940a (NS); 4. Smith and Archibald 1965 (NS); 5. Smith and Threlfall 1973 (Nfld); 6. Lewis 1974 (BC)

FAMILY DIPLOSTOMIDAE

Alaria arisaemoides Augustine and Uribe, 1927
Site: intestine
Host: *Canis familiaris*
Dist.: Sask
Record: Allen and Mills 1971

Alaria canis LaRue and Fallis, 1934
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont
Record: LaRue and Fallis 1934

Alaria spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT, Ont, Que, Sask
Records: 1. Cameron et al. 1940 (NWT, Ont, Que, Sask); 2. Allen and Mills 1971 (Sask); 3. Unruh et al. 1973 (Alta, NWT, Sask); 4. Anvik et al. 1974 (Sask)

FAMILY FASCIOLIDAE

Fasciola hepatica Linnaeus, 1758
Site: [liver]
Hosts: *Bos taurus (3)*
Ovis aries (1,2)
Dist.: BC, Canada, NB, Que
Record: 1. Griffiths 1939 (BC, NB, Que); 2. Swales 1940a (Canada); 3. Bouvry and Rau 1986 (Que)

Fascioloides magna (Bassi, 1875) Ward, 1917
Site: liver
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Swales 1933b (Alta); Slocombe 1973a (Ont)

FAMILY HETEROPHYIDAE

Cryptocotyle lingua (Creplin, 1825) Luhe, 1899
Site: [intestine]
Host: *Canis familiaris*
Dist.: Nfld, Que
Record: Cameron et al. 1940

FAMILY NANOPHYETIDAE

Nanophyetus salmincola Chapin, 1927
Site: [intestine]
Host: *Canis familiaris*
Dist.: BC
Record: Booth et al. 1984
Remarks: Infection was diagnosed by finding *N. salmincola* eggs in the feces.

FAMILY OPISTHORCHIIDAE

Metorchis conjunctus (Cobbold, 1860) Looss, 1899
Site: bile ducts, pancreatic duct
Hosts: *Canis familiaris (1,2,4,5,6,7,8)*
Felis catus (3,5,8)
Dist.: Alta, Man, NWT, Ont, Que, Sask
Records: 1. Cameron et al. 1940 (Man, Ont, Que, Sask); 2. Mongeau 1961 (Man); 3. Axelson 1962 (Ont); 4. McLeod 1967 (Man); 5. Mills and Hirth 1968 (Ont); 6. Unruh et al. 1973 (Alta, NWT, Sask); 7. Anvik et al. 1974 (Sask); 8. Watson 1981 (Que)

Metorchis spp.
Site: [bile ducts]
Host: *Canis familiaris*
Dist.: Sask
Record: Allen and Mills 1971

Parametorchis complexus (Stiles and Hassall, 1894) Skrjabin, 1913
Syn.: *Parametorchis manitobensis* (Allen and Wardle, 1934) Kennedy, 1983
Site: bile ducts, gallbladder
Hosts: *Canis familiaris (1)*
Felis catus (2)
Dist.: Alta, Man
Records: 1. Allen and Wardle 1934 (Man); 2. Kennedy 1983 (Alta)

FAMILY PARAMPHISTOMIDAE

Calicophoron microbothrioides (Price and McIntosh, 1944) Eduardo, 1983
Syn.: *Paramphistomum microbothrioides* Price and McIntosh, 1944
Site: rumen
Host: *Bos taurus*
Dist.: Que
Record: Bouvry and Rau 1984

Paramphistomum liorchis Fischoeder, 1901
Site: rumen
Host: *Bos taurus*
Dist.: Que
Record: Bouvry and Rau 1984

Paramphistomum spp.
Site: [intestine]
Host: *Bos taurus*
Dist.: Alta, Ont
Record: Swales 1933b

FAMILY PLAGIORCHIIDAE

Plagiorchis massino Petrov and Tikhonov, 1927
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld
Record: Smith and Threlfall 1973

FAMILY TROGLOTREMATIDAE

Paragonimus kellicotti Ward, 1908
Site: lungs
Hosts: *Canis familiaris (1,2,3)*
Felis catus (4)
Dist.: Ont
Records: 1. Nielsen 1955; 2. Comfort and Axelson 1962; 3. Gillick 1972; 4. Rendano 1974
Remarks: Nielsen (1955) presumed his specimen was *P. kellicotti.*

Paragonimus spp.
Site: lungs
Hosts: *Canis familiaris*
Sus scrofa
Dist.: Ont
Record: Slocombe 1973a

Unidentified Digenea gen. spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Man, NWT, Que
Records: Cameron et al. 1940 (Man, NWT, Que); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que)

CLASS CESTOIDEA

SUBCLASS EUCESTODA

ORDER CYCLOPHYLLIDEA

FAMILY ANOPLOCEPHALIDAE

Anoplocephala magna (Abildgaard, 1789) Spengel, 1905
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont, Que
Records: Swales 1933b (Que); Slocombe 1973a (Ont)

Anoplocephala perfoliata (Goeze, 1782) Blanchard, 1848
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld, Ont
Records: Swales 1933b (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld); Slocombe 1979 (Ont); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

Anoplocephala spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Swales 1933a; Slocombe 1973a

Moniezia benedeni (Moniez, 1879) Blanchard, 1891
Site: intestine
Host: *Bos taurus*
Dist.: NB, Que
Records: Swales 1933b (Que); Smith 1970 (NB)

Moniezia expansa (Rudolphi, 1810) Blanchard, 1891
Site: intestine
Hosts: *Bos taurus (2)*
Ovis aries (1,2,3,4,5,6,7,8,9,10,11)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933a (unspecified), 2. 1933b (Ont, Que); 3. Griffiths 1937 (Que); 4. Fallis 1938 (Ont); 5. Swales 1939 (Que), 6. 1940a (Canada), 7. 1940b (Que); 8. Swales and Choquette 1940 (Que); 9. Swales et al. 1942 (Ont); 10. Smith and Archibald 1965 (NS); 11. Smith and Threlfall 1973 (Nfld)

Moniezia spp.
Site: [intestine]
Hosts: *Bos taurus (1,2,3)*
Ovis aries (4,5)
Dist.: Nfld, Ont, Que, Sask
Records: 1. McGregor and Kingscote 1957 (Ont); 2. Frechette and Gibbs 1971 (Que); 3. Slocombe 1973a (Ont); 4. Smith and Threlfall 1973 (Nfld); 5. Moteane et al. 1979 (Sask)

Paranoplocephala mamillana (Mehlis, 1831) Baer, 1927
Syn.: *Anoplocephala mamillana* (Mehlis, 1831) Blanchard, 1891
Site: [intestine]
Host: *Equus caballus*
Dist.: BC, Que, Sask
Record: Swales 1933b

Thysanosoma actinioides Diesing, 1835
Site: [intestine]
Host: *Ovis aries*
Dist.: Alta, BC, Canada, Sask
Records: Swales 1933a (BC), 1933b (Alta, Sask), 1940a (Canada)

Thysanosoma spp.
Site: bile duct
Host: *Ovis aries*
Dist.: Ont, Sask
Records: Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

FAMILY DILEPIDIDAE

Dipylidium caninum (Linnaeus, 1758) Railliet, 1892
Site: [intestine]
Hosts: *Canis familiaris (1,2,3,5,6,7)*
Felis catus (1,4)
Dist.: NB, Nfld, NWT, Ont, Que
Records: 1. Swales 1933b (Ont, Que); 2. Cameron et al. 1940 (NWT, Ont); 3. Freeman 1962 (Ont); 4. Threlfall 1969 (Nfld); 5. Smith and Threlfall 1973 (Nfld); 6. Unruh et al. 1973 (NWT); 7. Malloy and Embil 1978 (NB)

Dipylidium spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

FAMILY MESOCESTOIDIDAE

Mesocestoides spp.
Site: intestine
Host: *Canis familiaris*
Dist.: Ont
Record: Speckmann and Webster 1975

FAMILY TAENIIDAE

Echinococcus granulosus (Batsch, 1786) Rudolphi, 1801
Site: intestine
Host: *Canis familiaris*
Dist.: Ont, Que
Records: Choquette 1956 (Que); Slocombe 1973a (Ont)

Echinococcus granulosus (Batsch, 1786) Rudolphi, 1801 (hydatid cyst)
Site: liver
Host: *Sus scrofa*
Dist.: Ont
Record: Pallister and Plummer 1941 (Ont)

Echinococcus multilocularis Leuckart, 1863
Site: [intestine]
Host: *Felis catus*
Dist.: Sask
Record: Wobeser 1971

Echinococcus spp. (hydatid)
Site: liver
Host: *Sus scrofa*
Dist.: Ont
Record: Osler and Clement 1883

Multiceps spp.
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

Taenia crassiceps (Zeder, 1800) Rudolphi, 1810
Site: [intestine]
Hosts: *Canis familiaris (2)*
Canis familiaris x *Canis latrans (1)*
Dist.: Ont
Records: 1. Freeman et al. 1961; 2. Freeman 1962.

Taenia elliptica
Site: intestine
Host: *Canis familiaris*
Dist.: Que
Record: Osler 1877

Taenia hydatigena (Pallas, 1766)
Syn: *Cysticercus tenuicollis* Pallas, 1766
Site: mesenteries, peritoneum, intestine
Hosts: *Bos taurus (1)*
Canis familiaris (1,3,4)
Ovis aries (1,2,3,5,6)
Sus scrofa (3)
Dist.: Alta, Canada, Nfld, Ont, Que, Sask
Records: 1. Swales 1933b (Alta, Ont, Que); 2. Swales 1940a (Canada); 3. Sweatman and Plummer 1957 (Que); 4. Threlfall 1969 (Nfld); 5. Slocombe 1973a (Ont); 6. Moteane et al. 1979 (Sask)

Taenia ovis (Cobbold, 1869), Ransom, 1913
Syn: *Cysticercus ovis*
Site: unspecified
Host: *Ovis aries*
Dist.: Canada, Man, NS
Record: Swales 1933b (Man), 1940a (Canada); Soehl 1984a (NS), 1984b (NS)

Taenia pisiformis (Bloch, 1780) Gmelin, 1790
Site: [intestine]
Hosts: *Canis familiaris (1,3,4,5)*
C. familiaris x *C. latrans (2)*
Dist.: Alta, Nfld, NWT, Ont, Que
Records: 1. Swales 1933b (Que); 2. Freeman et al. 1961 (Ont); 3. Threlfall 1969 (Nfld); 4. Smith and Threlfall 1973 (Nfld); 5. Unruh et al. 1973 (Alta, NWT)

Taenia serialis (Gervais, 1847) Baillet, 1863
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT
Record: Unruh et al. 1973

Taenia solium Linnaeus, 1758
Syn: *Cysticercus cellulosae* Linnaeus, 1758
Site: [liver]
Host: *Sus scrofa*
Dist.: Man, Ont, Sask
Records: Osler and Clement 1883 (Ont); Swales 1933b (Man, Sask)

Taenia taeniaeformis (Batsch, 1786) Wolffgel, 1863
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld, Que
Records: Swales 1933b (Que); Smith and Threlfall 1973 (Nfld)

Taenia spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3)*
Felis catus (2,4)
Dist.: BC, Man, NWT, Ont, Que, Sask
Records: 1. Cameron 1940 (BC, Man, NWT, Ont, Que); 2. Slocombe 1973a (Ont); 3. Anvik et al. 1974 (Sask); 4. Rendano 1974 (Ont)

Taeniarhynchus saginatus (Goeze, 1782) Weinland, 1858
Syn: *Cysticercus bovis* Cobbold, 1866
Site: unspecified
Host: *Bos taurus*
Dist.: Ont, Sask
Records: Swales 1933b (Ont, Sask); Slocombe 1973a (Ont)

Taenia/ *Echinococcus* spp. (egg)
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, NWT, Sask
Records: Allen and Mills 1971 (Sask); Unruh et al. 1973 (Alta, NWT, Sask)

ORDER PSEUDOPHYLLIDEA

FAMILY DIPHYLLOBOTHRIIDAE

Diphyllobothrium dendriticum Nitsch, 1824
Site: [intestine]
Host: *Felis catus*
Dist.: Nfld
Records: Threlfall 1969; Smith and Threlfall 1973

Diphyllobothrium latum Luhe, 1910
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, Nfld, NWT, Que, Sask
Records: Saunders 1949 (Alta); Threlfall 1969 (Nfld); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (NWT); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que)

Diphyllobothrium spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2,3,4,6)*
Felis catus (5)
Dist.: Alta, Man, Nfld, NWT, Ont, Que, Sask
Records: 1. Wardle and McColl 1937 (Ont); 2. Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); 3. Threlfall 1969 (Nfld); 4. Allen and Mills 1971 (Sask); 5. Slocombe 1973a (Ont); 6. Unruh et al. 1973 (Alta, NWT, Sask)

Unidentified Cestoidea gen. spp.
Site: Intestine
Host: *Canis familiaris*
Dist.: Man, Que
Records: Mongeau 1961 (Man); Seah et al. 1975 (Que)

PHYLUM NEMATODA

SUBCLASS ADENOPHOREA

ORDER ENOPLIDA

SUPERFAMILY DIOCTOPHYMATOIDEA

FAMILY DIOCTOPHYMATIDAE

Dioctophyma renale (Goeze, 1782) Collet-Meygret, 1802
Site: kidney
Host: *Canis familiaris*
Dist.: Man, NWT, Ont, Que
Records: Swales 1933b (Ont, Que); Cameron et al. 1940 (Man); McLeod 1967 (Man); Unruh et al. 1973 (NWT)

SUPERFAMILY TRICHINELLOIDEA

FAMILY TRICHINELLIDAE

Trichinella spiralis (Owen, 1835) Railliet, 1895 (cyst/larva)
Site: diaphragm
Host: *Sus scrofa*
Dist.: BC, Man, NB, NS, Ont, PEI, Que
Records: Osler and Clement 1883 (Ont); Cameron 1938 (Man, Ont, PEI, Que), 1939 (Man, Ont, PEI, Que), 1940a (Que); Moynihan and Musfeldt 1949 (BC); Frank 1952 (NB, NS, PEI); Tailyour and Steele 1960 (BC); Smith 1975a (NB); Faubert et al. 1985 (Que)
Remarks: Faubert et al. (1985) used the ELISA technique to detect *T. spiralis*.

Trichinella spiralis spiralis (Owen, 1835)
Site: unspecified
Host: *Sus scrofa*
Dist.: NS
Record: Smith and Kay 1987 (NS)

Trichinella spp.
Site: tail musculature
Host: *Sus scrofa*
Dist.: NB
Record: Smith 1975b

FAMILY TRICHURIDAE

Capillaria aerophila Creplin, 1839
Site: [lungs]
Hosts: *Canis familiaris (2)*
Felis catus (1)
Dist.: Que
Record: 1. Rendano 1974 (Ont); 2. Seah et al. 1975 (Que)

Capillaria hepatica Bancroft, 1896
Site: liver
Hosts: *Felis catus (1)*
Equus caballus (2)
Dist.: Alta, NB
Records: 1. Malloy and Embil 1978 (NB); 2. Nation and Dies 1978 (Alta)

Capillaria longipes Ransom, 1911
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, Que
Records: Swales 1939 (Que), 1940a (Canada); Ayalew and Gibbs 1973 (Que)

Capillaria spp.
Site: unspecified
Hosts: *Bos taurus (3,5)*
Canis familiaris (7)
Felis catus (7)
Ovis aries (1,2,4,6)
Dist.: NS, Ont, Que
Records: 1. Griffiths 1937 (Que); 2. Fallis 1938 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Smith and Archibald 1965 (NS); 5. Frechette and Gibbs 1971 (Que); 6. Ayalew et al. 1973a (Que); 7. Slocombe 1973a (Ont)

Trichuris discolor Linstou, 1906
Site: [intestine]
Host: *Bos taurus*
Dist.: NB, Ont, Que
Records: Smith and Stevenson 1970 (NB); Frechette et al. 1973 (Que); Slocombe 1974b (Ont)

Trichuris ovis (Abildgaard, 1795) Smith, 1908
Site: [intestine]
Hosts: *Bos taurus (1,7)*
Ovis aries (1,2,3,4,5,6,7,8,9,10)
Dist.: Canada, NB, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (NS, Ont, Que); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4. 1940b (Que); 5. Swales and Choquette 1940 (Que); 6. Smith and Archibald 1965 (NS), 7. 1968 (NB); 8. Ayalew and Gibbs 1973 (Que); 9. Ayalew et al. 1973a (Que); 10. Smith and Threlfall 1973 (Nfld)

Trichuris suis (Shrank, 1788)
Site: [intestine]
Host: *Sus scrofa*
Dist.: NB, Ont, Que
Records: Swales 1933b (Ont, Que); Smith 1972 (NB); Martin et al. 1974 (Que)

Trichuris vulpis (Frohlich, 1789)
Site: [intestine]
Host: *Canis familiaris*
Dist.: Nfld, Ont, Que
Records: Osler 1877 (Que); Swales 1933b (Ont, Que); Cameron et al. 1940 (Ont); Choquette and Gelinas 1950 (Que); Smith and Threlfall 1973 (Nfld); Seah et al. 1975 (Que)

Trichuris spp.
Site: [intestine]
Hosts: *Bos taurus (3,4,5,6)*
Canis familiaris (2,4)
Ovis aries (1,4)
Sus scrofa (2)
Dist.: Alta, NWT, Ont, Sask
Records: 1. Swales et al. 1942 (Ont); 2. Slocombe 1973a (Ont), 3. 1973b (Ont); 4. Unruh et al. 1973 (Alta, NWT, Sask); 5. Moteane et al. 1979 (Sask); 6. Reid and Madill 1987 (Ont)

Trichuris spp. (egg)
Site: [intestine]
Hosts: *Bos taurus (1,2)*
Canis familiaris (3,4,5)
Dist.: NB, Ont, Que, Sask
Records: 1. McGregor and Kingscote 1957 (Ont); 2. Smith 1970 (NB); 3. Allen and Mills 1971 (Sask); 4. Ghadirian et al. 1976 (Que); 5. Malloy and Embil 1978 (NB)

Unidentified Trichuridae
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Campbell et al. 1960

SUBCLASS SECERNENTEA

ORDER ASCARIDIDA

SUPERFAMILY ASCARIDOIDEA

FAMILY ASCARIDIDAE

Ascaris lumbricoides Linnaeus, 1758 (larva)
Site: lungs
Hosts: *Bos taurus (3)*
Sus scrofa (1,2)
Dist.: All Provinces, Ont
Records: 1. Swales 1933a (Ont), 2. 1933b (All Provinces); 3. Allen 1962 (Ont)

Ascaris suum Goeze, 1782
Site: [intestine]
Hosts: *Bos taurus (1)*
Ovis aries (6)
Sus scrofa (2,3,4,5)
Dist.: Ont, NB, Nfld, Que, Sask
Records: 1. McCraw and Lautenslager 1971 (Ont); 2. Smith 1972 (NB); 3. Smith and Threlfall 1973 (Nfld); 4. Martin et al. 1974 (Que); 5. Polley and Mostert 1980 (Sask); 6. Sauvageau and Frechette 1980 (Que)

Ascaris spp.
Site: [intestine]
Hosts: *Canis familiaris (4)*
Ovis aries (1,2)
Sus scrofa (3)
Dist.: Canada, Ont, Que
Records: 1. Fallis 1938 (Ont); 2. Swales 1940a (Canada); 3. Slocombe 1973a (Ont); 4. Seah et al. 1975 (Que)

Parascaris equorum (Goeze, 1782) York and Maplestone, 1926
Site: [intestine]

Host: *Equus caballus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

Parascaris spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Slocombe 1973a; Slocombe and McCraw 1973

Toxascaris leonina (Linstow, 1902) Leiper, 1907
Syn.: *Toxascaris limbata* Railliet and Henry, 1911
Site: intestine
Hosts: *Canis familiaris (1,2,3,4,5,6,7,8,9,10)*
Felis catus (5,6,10)
Dist.: Alta, Man, NB, Nfld, NWT, Ont, Que, Sask
Records: 1. Osler 1877 (Que); 2. Swales 1933b (Que); 3. Cameron et al. 1940 (Alta, Man, NB, Nfld, Ont, Que, Sask); 4. Choquette and Gelinas 1950 (Que); 5. Threlfall 1969 (Nfld); 6. Smith and Threlfall 1973 (Nfld); 7. Unruh et al. 1973 (Alta, NWT, Sask); 8. Anvik et al. 1974 (Sask); 9. Ghadirian et al. 1976 (Que); 10. Malloy and Embil 1978 (NB)

Toxascaris spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

Toxocara canis (Werner, 1782) Stiles, 1905
Site: intestine
Host: *Canis familiaris*
Dist.: Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask
Records: Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); Choquette and Gelinas 1950 (Que); Webster 1958 (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (Alta, NWT, Sask); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que); Malloy and Embil 1978 (NB)

Toxocara cati (Schrank, 1788) Brumpt, 1927
Syn.: *Belascaris mystax* Zeder, 1800
Syn.: *Toxocara mystax* (Zeder, 1800)
Site: [intestine]
Host: *Felis catus*
Dist.: NB, Nfld, NS, Ont, Que
Records: Swales 1933b (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Rendano 1974 (Ont); Malloy and Embil 1978 (NB)

Toxocara spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (2)
Dist.: Ont, Sask
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

SUPERFAMILY COSMOCERCOIDEA

FAMILY ATRACTIDAE

Probstmayria vivipara (Probstmayr, 1865) Ransom 1907
Site: caecum, colon
Host: *Equus caballus*
Dist.: NB, Que
Records: Swales 1933a (unspecified), 1933b (Que); Smith 1976a (NB), 1976b (NB), 1979b (NB)

ORDER OXYURIDA

SUPERFAMILY OXYUROIDEA

FAMILY OXYURIDAE

Oxyuris equi (Schrank, 1788) Rudolphi, 1803
Site: [intestine]
Host: *Equus caballus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Threlfall 1969 (Nfld); Smith 1976a (NB)

Oxyuris spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Ont
Records: Slocombe 1973a; Slocombe and McCraw 1973

Skrjabinema spp.
Site: [intestine]
Host: *Ovis aries*
Dist.: Sask
Record: Moteane et al. 1979

ORDER RHABDITIDA

SUPERFAMILY RHABDITOIDEA

FAMILY RHABDITIDAE

Pelodera strongyloides (Schneider, 1860) Schneider, 1866
Syn.: *Rhabditis strongyloides* (Schneider, 1860) Oerley, 1880
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Lord and McGregor 1960

FAMILY STRONGYLOIDIDAE

Strongyloides papillosus (Wedl, 1856) Ransom, 1911
Site: intestine
Hosts: *Bos taurus (7)*
Ovis aries (1,2,3,4,5,6,8,9)
Dist.: Canada, NS, Ont, Que
Records: 1. Griffiths 1937 (Que); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4. 1940b (Que); 5. Basir 1950 (Que); 6. Smith and Archibald 1965 (NS); 7. Frechette and Gibbs 1971 (Que); 8. Ayalew and Gibbs 1973 (Que); 9. Ayalew et al. 1973a (Que)

Strongyloides ransomi Schwartz and Alicata, 1930
Site: intestine
Host: *Sus scrofa*
Dist.: NB
Record: Smith 1972

Strongyloides stercoralis (Bavay, 1876) Stiles and Hassall, 1902
Site: unspecified
Host: *Canis familiaris*
Dist.: Que
Records: Choquette and Gelinas 1950; Seah et al. 1975

Strongyloides spp.
Site: unspecified
Hosts: *Bos taurus (3,4)*
Canis familiaris (5)
Equus caballus (5,6)
Felis catus (5)
Ovis aries (1,2,7)
Sus scrofa (5)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Slocombe 1973a (Ont), 5. 1973b (Ont); 6. Slocombe and McCraw 1973 (Ont); 7. Moteane et al. 1979 (Sask)

Unidentified Rhabditoidea
Site: unspecified
Hosts: *Bos taurus (1)*
Canis familiaris (2)
Felis catus (2)
Dist.: Ont
Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

ORDER SPIRURIDA

SUPERFAMILY DRACUNCULOIDEA

FAMILY DRACUNCULIDAE

Dracunculus insignis (Leidy, 1858) Chandler, 1942
Site: unspecified
Host: *Canis familiaris*
Dist.: Que
Record: Deroth and Frechette 1975

SUPERFAMILY FILARIOIDEA

FAMILY FILARIIDAE

Parafilaria bovicola Tubangui, 1934
Site: subcutaneous tissue
Host: *Bos taurus*
Dist.: Alta, Que
Records: Niilo 1968 (Alta); Webster and Wilkins 1970 (Que)
Remarks: Both records were from imported cattle. Niilo's (1968) record was a presumptive identification.

Stephanofilaria stilesi Chitwood, 1934
Site: subcutaneous
Host: *Bos taurus*
Dist.: Alta
Record: Maddy 1955; Dies and Pritchard 1985
Remarks: The infection was diagnosed in the United States in cattle imported from Alberta (Maddy 1955).

FAMILY ONCHOCERCIDAE

Dipetalonema spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Dirofilaria immitis (Leidy, 1856) Railliet and Henry, 1911
Site: pulmonary artery, right ventricle, blood
Hosts: *Canis familiaris (1,3,4,5,6)*
Felis catus (2)
Dist.: Alta, Ont, Sask
Records: 1. Fletch 1969 (Ont); 2. Bernard 1970 (Ont), 3. 1971 (Ont); 4. Bourns et al. 1975 (Ont); 5. Frimeth and Arai 1983 (Alta); 6. Stogdale 1984 (Sask)
Remarks: The dog in Bernard's (1971) report was originally diagnosed in the United States. The dog in Stogdale's (1984) report was born and raised until four months of age in Ontario. From there it had been brought directly to Saskatchewan and was diagnosed positive at fourteen years of age. Diagnosis was based on an indirect immunofluorescent antibody test.

Dirofilaria spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Onchocerca cervicalis Railliet and Henry, 1910
Site: unspecified
Host: *Equus caballus*
Dist.: BC, Que
Records: Marcoux et al. 1977 (Que); Lees et al. 1983 (BC)

Onchocerca gutturosa Neumann, 1910
Site: ligamentum nuchae
Host: *Bos taurus*
Dist.: Ont, Que
Record: Webster and Dukes 1979

Onchocerca lienalis Stiles, 1892
Site: ligamentum gastrolienale
Host: *Bos taurus*
Dist.: Ont, Que
Record: Webster and Dukes 1979

Onchocerca spp.
Site: subcutaneous nodules in area of knee joint
Hosts: *Bos taurus (1,2)*
Equus caballus (3)
Dist.: Alta, BC, Man, Sask
Records: 1. Webster et al. 1977 (Man, Sask); 2. Dukes et al. 1981 (Man, Sask); 3. Polley 1984 (Alta, BC, Man, Sask)
Remarks: Polley 1984 did not record the infection rate by province.

Setaria equina (Abildgaard, 1789) Railliet and Henry, 1911
Site: unspecified
Host: *Equus caballus*
Dist.: Ont, Que
Record: Swales 1933b

Setaria labiatopapillosa (Perroncito, 1882) Railliet and Henry, 1911
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, Man, Ont, Que
Record: Swales 1933b

Setaria spp.
Site: peritoneum
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY HABRONEMATOIDEA

FAMILY HABRONEMATIDAE

Habronema majus (Creplin, 1849) Railliet, 1923
Syn.: *Habronema microstoma* (Schnider, 1866)
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Swales 1933b

Habronema muscae (Carter, 1861) Diesing, 1861
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Swales 1933b

Habronema spp.
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY PHYSALOPTEROIDEA

FAMILY PHYSALOPTERIDAE

Physaloptera rara Hall and Wigdor, 1918
Site: [intestine]
Host: *Canis familiaris*
Dist.: Que
Record: Seah et al. 1975

SUPERFAMILY SPIRUROIDEA

FAMILY GONGYLONEMATIDAE

Gongylonema pulchrum Molin, 1857
Site: unspecified
Host: *Ovis aries*
Dist.: Canada, Ont
Records: Swales 1933b (Ont), 1940a (Canada)

FAMILY SPIROCERCIDAE

Ascarops spp.
Site: stomach
Host: *Sus scrofa*
Dist.: Ont
Record: Stockdale and Lautenslager 1973

Physocephalus spp.
Site: stomach
Host: *Sus scrofa*
Dist.: Ont
Record: Stockdale and Lautenslager 1973

Spirocerca spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY THELAZIOIDEA

FAMILY THELAZIIDAE

Thelazia gulosa Railliet and Henry, 1910
Site: unspecified
Host: *Bos taurus*
Dist.: Ont
Record: Moolenbeek and Surgeoner 1980

Thelazia lacrymalis (Gurlt, 1831) Railliet and Henry, 1910
Site: conjunctiva, nasolacrimal ducts, orbit of eye
Hosts: *Bos taurus (3)*
Equus caballus (1,2)
Dist.: Ont, Que
Records: 1. Barker 1970 (Ont); 2. Frechette et al. 1976 (Que); 3. Moolenbeek and Surgeoner 1980

Thelazia skrjabini Erschow, 1928
Site: lacrimal ducts, under the nictitating membrane
Host: *Bos taurus*
Dist.: Alta
Record: Kennedy and Moraiko 1987

Thelazia spp.
Site: unspecified
Host: *Bos taurus (2)*
Equus caballus (1)
Dist.: Ont, Que
Record: 1. Slocombe 1973a (Ont) 2. Frechette et al. 1976 (Que)

ORDER STRONGYLIDA

SUPERFAMILY ANCYLOSTOMATOIDEA

FAMILY ANCYLOSTOMATIDAE

Ancylostomum caninum Ercolani, 1854
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, Ont, Que
Records: Osler 1877 (Que); Swales 1933b (Ont); Cameron et al. 1940 (Ont, Que); Saunders 1949 (Alta)

Ancylostomum spp.
Site: [intestine]
Hosts: *Canis familiaris (1,2)*
Felis catus (1)
Dist.: Ont, Sask
Records: 1. Slocombe 1973a (Ont); 2. Anvik et al. 1974 (Sask)

Bunostomum phlebotomum (Railliet, 1900) Lane, 1917
Syn.: *Monodontus phlebotomus* Railliet, 1900
Site: unspecified
Host: *Bos taurus*
Dist.: Que
Record: Swales 1933b

Bunostomum trigonocephalum (Rudolphi, 1808) Railliet, 1902
Syn.: *Monodontus trigonocephalus* Rudolphi, 1808
Site: unspecified
Hosts: *Bos taurus (1)*
Ovis aries (1,2,3,4,5,6,7,8,9,10)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont, Que), 2. Griffiths 1937 (Que); 3. Swales 1940a (Canada); 4. Fallis 1938 (Ont); 5. Swales and Choquette 1940 (Que); 6. Swales et al. 1942 (Ont); 7. Smith and Archibald 1965 (NS); 8. Ayalew and Gibbs 1973 (Que); 9. Ayalew et al. 1973a (Que); 10. Smith and Threlfall 1973 (Nfld)

Bunostomum spp.
Syn.: *Monodontus* spp.
Site: unspecified
Hosts: *Bos taurus (2,3)*
Ovis aries (1,4)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Frechette and Gibbs 1971 (Que); 3. Slocombe 1973b (Ont); 4. Moteane et al. 1979 (Sask)

Uncinaria stenocephala (Railliet, 1884) Railliet, 1885
Site: [intestine]
Host: *Canis familiaris*
Dist.: Alta, BC, Man, Nfld, NWT, Ont, Que
Records: Cameron et al. 1940 (Alta, BC, Man, Nfld, NWT, Ont, Que); Threlfall 1969 (Nfld); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (Alta, NWT)

Uncinaria spp.
Site: [intestine]
Host: *Canis familiaris*
Dist.: Ont, Sask
Records: Slocombe 1973a (Ont); Anvik et al. 1974 (Sask)

Unidentified Ancylostomatidae
Site: unspecified
Host: *Canis familiaris*
Dist.: Alta, NB, NWT, Que, Sask
Records: Allen and Mills 1971 (Sask); Unruh et al. 1973 (Alta, NWT); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que); Malloy and Embil 1978 (NB); Olson 1985 (Sask)

SUPERFAMILY METASTRONGYLOIDEA

FAMILY ANGIOSTRONGYLIDAE

Aelurostrongylus spp.
Site: unspecified
Host: *Felis catus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY CRENOSOMATIDAE

Crenosoma vulpis (Dujardin, 1844) Railliet, 1915
Site: [lungs]
Host: *Canis familiaris*
Dist.: Nfld
Record: Smith and Threlfall 1973

FAMILY FILAROIDIDAE

Filaroides milksi Whitlock, 1956
Site: terminal and respiratory bronchioles
Host: *Canis familiaris*
Dist.: BC
Record: Greenway and Stockdale 1970
Remarks: This was a tentative identification (Greenway and Stockdale 1970)

Filaroides spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Oslerus osleri (Cobbold, 1879) Anderson, Chabaud, and Willmott, 1978
Site: bronchi
Host: *Canis familiaris*
Dist.: Que
Record: Osler 1877

FAMILY METASTRONGYLIDAE

Metastrongylus apri (Gmelin, 1790) Vostokov, 1905
Site: bronchii
Host: *Sus scrofa*
Dist.: NB
Record: Smith 1972

Metastrongylus pudendotectus Vostokov, 1905
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Swales 1933b

Metastrongylus salmi Gedoelst, 1923
Syn.: *Metastrongylus elongatus* Salm, 1918
Site: unspecified
Host: *Sus scrofa*
Dist.: NS, Ont, PEI, Que
Record: Swales 1933b

Metastrongylus spp.
Site: unspecified
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

FAMILY PROTOSTRONGYLIDAE

Muellerius capillaris (Mueller, 1889) Cameron, 1927
Site: lungs
Hosts: *Capra hircus (3,4)*
Ovis aries (1,2)
Dist.: Canada, Ont
Records: 1. Fallis 1938 (Ont); 2. Swales 1940a (Canada); 3. McCraw et al. 1981 (Ont); 4. McCraw and Menzies 1986 (Ont)

Muellerius spp.
Site: unspecified
Hosts: *Capra hircus (2)*
Ovis aries (1)
Dist.: Ont
Record: 1. Slocombe 1973a; 2. Nimmo 1979

Parelaphostrongylus tenuis (Dougherty, 1945) Pryadko and Boev, 1971
Syn.: *Pneumostrongylus tenuis* Dougherty, 1945
Site: central nervous system
Host: *Ovis aries*
Dist.: Ont
Record: Anderson and Strelive 1966.

Protostrongylus spp.
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Slocombe 1973a

SUPERFAMILY STRONGYLOIDEA

FAMILY CHABERTIIDAE

Chabertia ovina (Fabricius, 1794) Railliet and Henry, 1909
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1939 (Que); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Ayalew et al. 1973a (Que)

Chabertia spp.
Site: [intestine]
Host: *Ovis aries*
Dist.: Ont, Sask
Records: Swales et al. 1942 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

Oesophagostomum columbianum (Curtice, 1890) Stossich, 1899
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (NS, Ont, Que); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Swales et al. 1942 (Ont); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Ayalew et al. 1973a (Que)

Oesophagostomum dentatum (Rudolphi, 1803) Molin, 1861
Site: [intestine]
Host: *Sus scrofa*
Dist.: NB, Ont, Que
Records: Swales 1933b (Ont, Que); Smith 1972 (NB), 1979a (NB)

Oesophagostomum quadrispinulatum (Marcone, 1901) Alicata, 1935
Site: [intestine]
Host: *Sus scrofa*
Dist.: NB
Records: Smith 1972, 1979a

Oesophagostomum radiatum (Rudolphi, 1803) Railliet, 1898
Site: [intestine]
Host: *Bos taurus*
Dist.: NB, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Smith and Perreault 1972 (NB); Smith and Threlfall 1973 (Nfld)

Oesophagostomum venulosum (Rudolphi, 1809) Railliet and Henry, 1913
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, Nfld, NS, Ont, Que
Records: Swales 1933b (Ont, Que), 1940a (Canada); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Smith and Threlfall 1973 (Nfld)

Oesophagostomum spp.
Site: intestine
Hosts: *Bos taurus (3,4)*

Ovis aries (1,4,5)
Sus scrofa (2,4,6,7)
Dist.: NB, Nfld, Ont, Que
Records: 1. Swales 1939 (Que); 2. Davenport and Stockdale 1967 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Slocombe 1973b (Ont); 5. Smith and Threlfall 1973 (Nfld); 6. Martin et al. 1974 (Que); 7. Smith 1979a (NB)

FAMILY STRONGYLIDAE

Cyathostomum catinatum Looss, 1900
Syn.: *Cylicostomum catinatum* (Looss, 1900) Gedoelst, 1924
Syn.: *Trichonema catinatum* (Looss, 1900) LeRoux, 1924
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Cyathostomum coronatum Looss, 1900
Syn.: *Cylicostomum coronatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Sask
Record: Ransom and Hadwen 1918

Cyathostomum labiatum (Looss, 1902) McIntosh, 1933
Syn.: *Cylicostomum labiatum* (Looss, 1902) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cyathostomum labratum Looss, 1900
Syn.: *Cylicostomum labratum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicocyclus elongatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum elongatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld, Sask
Records: Ransom and Hadwen 1918 (Sask); Smith and Threlfall 1973 (Nfld)

Cylicocyclus insigne (Boulenger, 1917) Chaves, 1930
Syn.: *Cylicostomum insigne* (Boulenger, 1917) Ransom and Hadwen, 1918
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta
Record: Ransom and Hadwen 1918

Cylicocyclus nassatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum nassatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Cylicocyclus radiatus (Looss, 1900) Chaves, 1930
Syn.: *Cylicostomum radiatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicodontophorus bicornatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum bicornatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus calicatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum calicatum* (Looss, 1900) Gedoelst, 1903
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus goldi (Boulenger, 1917) Lichtenfels, 1975
Syn.: *Cylicostomum goldi* (Boulenger, 1917) Ransom and Hadwen, 1918
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Cylicostephanus poculatus (Looss, 1900) Cram, 1924
Syn.: *Cylicostomum poculatum* Looss, 1900
Syn.: *Petrovinema poculatum* (Looss, 1900) Ershov, 1943
Site: [intestine]
Host: *Equus caballus*
Dist.: Alta, Nfld, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)

Gyalocephalus capitatus Looss, 1900
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, NB, Ont, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont); Smith 1976a (NB)

Gyalocephalus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a

Oesophagodontus robustus (Giles, 1892) Railliet and Henry, 1902
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont, Que); Threlfall 1969 (Nfld)

Oesophagodontus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a

Poteriostomum spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB
Record: Smith 1976a

Strongylus edentatus (Looss, 1900) Railliet and Henry, 1909
Syn.: *Alfortia edentatus* (Looss, 1900) Skrjabin, 1933
Site: aorta
Host: *Equus caballus*
Dist.: Alta, NB, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Que); Slocombe 1973a (Ont); Slocombe and McCraw 1973 (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b (NB)

Strongylus equinus Mueller, 1780
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, NB, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b exp. (NB)

Strongylus vulgaris (Looss, 1900) Railliet and Henry, 1909
Syn.: *Delafondia vulgaris* (Looss, 1900) Skrjabin, 1933
Site: cranial mesenteric arteries, central nervous system
Host: *Equus caballus*
Dist.: Alta, NB, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask); Little 1972 (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b (NB); Slocombe et al. 1987 (Ont)
Remarks: Little (1972) presumed the larva he recovered from the central nervous system of the horse was *S. vulgaris*.

Strongylus spp.
Syn.: *Alfortia* spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont
Records: Slocombe 1973a (Ont); Smith 1976a (NB)

Triodontophorus brevicauda Boulenger, 1916
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Que)

Triodontophorus minor (Looss, 1900) Looss, 1902
Site: unspecified
Host: *Equus caballus*
Dist.: Nfld
Record: Smith and Threlfall 1973

Triodontophorus serratus (Looss, 1900) Looss, 1902
Syn.: *Triodontophorus intermedius* Sweet, 1909
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Nfld, Ont, Que, Sask
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask), 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld)

Triodontophorus tenuicollis Boulenger, 1916
Site: unspecified
Host: *Equus caballus*
Dist.: Alta, Sask
Record: Ransom and Hadwen 1918

Triodontophorus spp.
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont
Records: Slocombe 1973a (Ont); Smith 1976a (NB), 1976b (NB)

Unidentified Strongylidae
Site: unspecified
Host: *Equus caballus*
Dist.: NB, Ont, Que
Records: Swales 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b (NB); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

FAMILY SYNGAMIDAE

Cyathostoma spp.
Site: [intestine]
Host: *Equus caballus*
Dist.: Nfld
Record: Threlfall 1969

Stephanurus dentatus Diesing, 1839
Site: kidney
Host: *Sus scrofa*
Dist.: Man, NS
Records: Swales 1933b (Man); Smith and Hawkes 1978 (NS)

SUPERFAMILY TRICHOSTRONGYLOIDEA

FAMILY DICTYOCAULIDAE

Dictyocaulus arnfieldi (Cobbold, 1884) Railliet and Henry, 1907
Site: [lungs]
Host: *Equus caballus*
Dist.: Ont
Records: Swales 1933b

Dictyocaulus filaria (Rudolphi, 1809) Railliet and Henry, 1907
Site: [lungs]
Host: *Ovis aries*
Dist.: Alta, Canada, Nfld, Ont, PEI, Que
Records: Swales 1933b (Ont, PEI, Que); Fallis 1938 (Ont); Swales 1940a (Canada); O'Donoghue 1958 (Alta); Smith and Threlfall 1973 (Nfld); Ayalew et al. 1973b (Que); Ayalew et al. 1974 (Que)

Dictyocaulus viviparus (Bloch, 1782) Railliet and Henry, 1907
Site: lungs
Host: *Bos taurus*
Dist.: Alta, Nfld, Ont, Que
Records: Swales 1933b (Ont, Que); Campbell and Wetherill 1957 (Ont); Graesser 1957 (Alta); O'Donoghue 1958 (Alta); Gupta and Gibbs 1969 (Que); Smith and Threlfall 1973 (Nfld); Gupta and Gibbs 1975 (Que); Bateman et al. 1986 (Ont)

Dictyocaulus spp.
Site: [lungs]
Hosts: *Bos taurus (1,2)*
Equus caballus (2)
Ovis aries (2)
Dist.: Ont
Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

FAMILY HELIGMOSOMIDAE

Citellinema bifurcatum Hall, 1916
Syn.: *Warrenius bifurcatus* (Hall, 1916) Sleggs, 1925
Site: unspecified
Host: *Equus caballus*
Dist.: Sask
Record: Swales 1933a

FAMILY MOLINEIDAE

Nematodirus abnormalis May, 1920
Site: unspecified
Host: *Ovis aries*
Dist.: Nfld
Record: Smith and Threlfall 1973

Nematodirus battus Crofton and Thomas, 1951
Site: [intestine]
Host: *Ovis aries*
Dist.: NS. PEI
Record: Smith and Hines 1987

Nematodirus filicollis Rudolphi, 1802
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933b (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)

Nematodirus helvetianus May, 1920
Site: [intestine]
Hosts: *Bos taurus (1,3,4,5,6,7)*
Ovis aries (2)
Dist.: NB, Ont
Records: 1. Campbell et al. 1960 (Ont); 2. Smith and Archibald 1968 (NB); 3. Smith and Archibald 1969 (NB); 4. Smith 1970 (NB), 5. 1973 (NB); 6. Slocombe 1974b (Ont); 7 Smith 1974 (NB)

Nematodirus spathiger (Railliet, 1896) Railliet and Henry, 1909
Site: intestine
Hosts: *Equus caballus (6)*
Ovis aries (1,2,3,4,5,7,8,9)
Dist.: Canada, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Swales and Choquette 1940 (Que); 5. Smith and Archibald 1965 (NS); 6. Webster and MacKay 1969 (Que); 7. Ayalew and Gibbs 1973 (Que); 8. Ayalew et al. 1973a (Que); 9. Smith and Threlfall 1973 (Nfld)

Nematodirus spp.
Site: unspecified
Hosts: *Bos taurus (3,4,6,8)*
Ovis aries (1,2,5,7)
Dist.: Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Frechette and Gibbs 1971 (Que); 5. Ayalew et al. 1973 a (Que); 6. Slocombe 1973b (Ont); 7. Moteane et al. 1979 (Sask); 8. Polley and Bickis 1987 (Sask)

Ollulanus tricuspis Leuckart, 1865
Site: stomach
Hosts: *Felis catus (1,3,4)*
Sus scrofa (2)
Dist.: Alta, Ont, Que
Records: 1. Cameron 1940b (Que); 2. Stockdale and Lautenslager 1973 (Ont); 3. Caldwell 1984 (Ont); 4. Kennedy et al. 1984 (Alta)

FAMILY TRICHOSTRONGYLIDAE

Cooperia curticei (Railliet, 1893) Ransom, 1907
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que

Records: Swales 1933b (Ont); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)

Cooperia mcmasteri
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1974b

Cooperia oncophora (Railliet, 1898) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (5,6,7,9,10,11,12)*
Ovis aries (1,2,3,4,8)
Dist.: Canada, NB, Nfld, NS, Ont
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Smith and Archibald 1965 (NS), 5. 1968 (NB); 6. Smith and Archibald 1969 (NB); 7. Smith 1970 (NB); 8. Ayalew and Gibbs 1973 (Que); 9. Smith 1973 (NB); 10. Smith and Threlfall 1973 (Nfld); 11. Slocombe 1974b (Ont); 12. Smith 1974 (NB)

Cooperia punctata (von Linstow, 1907) Ransom, 1907
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Swales 1933b

Cooperia spp.
Site: [intestine]
Hosts: *Bos taurus (3,5,7)*
Ovis aries (1,2,4,6)
Dist.: Alta, Ont, Que, Sask
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Ayalew et al. 1973a (Que); 5. Slocombe 1973a (Ont); 6. Moteane et al. 1979 (Sask); 7. Stockdale and Harries 1979 (Alta)

Haemonchus contortus (Rudolphi, 1803) Cobb, 1898
Site: intestine
Hosts: *Bos taurus (1,7,8)*
Ovis aries (1,2,3,4,5,6,9,10,11,12,13,14)
Dist.: Canada, NS, Ont, Prairie Provinces, Que
Records: 1. Swales 1933b (Ont, Que); 2. Griffiths 1937 (Que); 3. Fallis 1938 (Ont); 4. Swales 1940a (Canada), 5. 1940b (Que); 6. Swales and Choquette 1940 (Que); 7. Choquette 1945 (Ont, Prairie Provinces, Que); 8. Johnston and MacPherson 1956 (Ont); 9. Gibbs 1964 (Que); 10. Smith and Archibald 1965 (NS); 11. Blitz and Gibbs 1971 (Que); 12. Ayalew and Gibbs 1973 (Que); 13. Ayalew et al. 1973a (Que); 14. Slocombe 1973c (Ont)

Haemonchus spp.
Site: [intestine]
Hosts: *Bos taurus (4,5,7)*
Ovis aries (1,2,3,4,6)
Dist.: Alta, Ont, Que, Sask
Records: 1. Swales 1933b (Ont), 2. 1939 (Que); 3. Swales et al. 1942 (Ont); 4. Slocombe 1973b (Ont), 5. 1974 (Ont); 6. Moteane et al. 1979 (Sask); 7. Stockdale and Harries 1979 (Alta)

Hyostrongylus rubidus (Hassall and Stiles, 1892) Hall, 1921
Site: stomach
Host: *Sus scrofa*
Dist.: Ont, Que
Records: 1. Swales 1933b (Ont); 2. Davenport and Stockdale 1967 (Ont); 3. Stockdale, Ashton et al. 1973 (Ont); 4. Stockdale and Lautenslager 1973 (Ont); 5. Martin et al. 1974 (Que)

Hyostrongylus spp.
Site: [stomach]
Host: *Sus scrofa*
Dist.: Ont
Record: Slocombe 1973a

Ostertagia circumcincta (Stadelmann, 1894) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (14)*
Ovis aries (1,2,3,4,5,6,7,8,9,10,11,12,13)
Dist.: Canada, Maritimes, Nfld, NS, Ont, Que
Records: 1. Swales 1933b (Ont); 2. Griffiths 1937 (Ont); 3. Fallis 1938 (Ont); 4. Swales 1939 (Que), 5. 1940a (Canada), 6. 1940b (Que); 7. Swales and Choquette 1940 (Que); 8. Swales et al. 1942 (Ont); 9. Smith and Archibald 1962 (Maritimes); 10. Smith and Archibald 1965 (NS); 11. Ayalew and Gibbs 1973 (Que); 12. Ayalew et al. 1973a (Que); 13. Swales and Threlfall 1973 (Nfld); 14. Slocombe 1974 (Ont)

Ostertagia lyrata Sjberg, 1926
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: Slocombe 1974a, 1974b

Ostertagia ostertagi (Stiles, 1892) Ransom, 1907
Site: [intestine]
Host: *Bos taurus*
Dist.: NB, Ont, Que
Records: Swales 1933b (Que); Johnston and MacPherson 1956 (Ont); Smith and Archibald 1968 (NB); 1969 (NB); Smith 1970 (NB); Smith and Perreault 1972 (NB); Smith 1973 (NB); Slocombe 1974a (Ont), 1974b (Ont); Smith 1974 (NB)

Ostertagia trifurcata Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (3,5)*
Ovis aries (1,2,4)
Dist.: Alta, Maritimes, NS, Ont, Que
Records: 1. Smith and Archibald 1965 (NS); 2. Smith and Archibald 1962 (Maritimes); 3. Slocombe 1970 (Alta); 4. Ayalew and Gibbs 1973 (Que); 5. Slocombe 1974b (Ont)
Remarks: In Slocombe (1970), the ox originated in Alberta and was slaughtered in Ontario.

Ostertagia spp.
Site: [intestine]
Hosts: *Bos taurus (3,6,8)*
Ovis aries (1,2,4,5,6,7)
Dist.: Alta, Ont, Que, Sask
Records: 1. Swales 1940b (Que); 2. Gibbs 1964 (Que); 3. Frechette and Gibbs 1971 (Que); 4. Ayalew and Gibbs 1973 (Que); 5. Ayalew et al. 1973a (Que); 6. Slocombe 1973b (Ont); 7. Moteane et al. 1979 (Sask); 8. Stockdale and Harries 1979 (Alta)

Teladorsagia davtiani Andreeva and Satubaldin, 1954
Site: [intestine]
Host: *Ovis aries*
Dist.: Maritimes, NS
Records: Smith and Archibald 1962 (Maritimes), 1965 (NS)

Trichostrongylus axei (Cobbold, 1879) Railliet and Henry, 1909
Syn.: *Trichostrongylus extenuatus* (Railliet, 1898) Ransom, 1907
Site: [intestine]
Hosts: *Bos taurus (10,11,14,15)*
Ovis aries (1,2,3,4,5,6,7,8,9,12,13,14)
Dist.: Canada, NB, NS, Ont, Que
Records: 1. Swales 1933b (Ont), 2. 1939 (Que); 3. Fallis 1938 (Ont); 4. Swales 1940a (Canada), 5. 1940b (Que); 6. Swales and Choquette 1940 (Que); 7. Swales et al. 1942 (Ont); 8. Gibbs 1964 (Que); 9. Smith and Archibald 1965 (NS); 10. Smith 1970 (NB); 11. Frechette and Gibbs 1971 (Que); 12. Ayalew and Gibbs 1973 (Que); 13. Ayalew et al. 1973a (Que); 14. Slocombe 1973a (Ont), 15. 1974 (Ont)

Trichostrongylus colubriformis (Giles, 1892) Ransom, 1911
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933a (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)

Trichostrongylus vitrinus Looss, 1905
Site: [intestine]
Host: *Ovis aries*
Dist.: Canada, NS, Ont, Que
Records: Swales 1933a (Ont); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)

Trichostrongylus spp.
Site: [intestine]
Hosts: *Bos taurus (6,8)*
Ovis aries (1,2,3,4,5,6,7)
Dist.: Alta, Ont, Que, Sask
Records: 1. Griffiths 1937 (Que); 2. Swales 1939 (Que); 3. Swales et al. 1942 (Ont); 4. Ayalew and Gibbs 1973 (Que); 5. Ayalew et al. 1973a (Que); 6. Slocombe 1973b (Ont); 7. Moteane et al. 1979 (Sask); 8. Stockdale and Harries 1979 (Alta)

Unidentified Trichostrongyloidea (egg)
Site: [intestine]
Host: *Bos taurus*
Dist.: Ont
Record: McGregor and Kingscote 1957

Unidentified Nematoda
Site: unspecified
Hosts: *Bos taurus (2,4)*
Canis familiaris (3)
Equus caballus (1)
Dist.: Nfld, Que, Sask
Records: 1. Threlfall 1969 (Nfld); 2. Frechette and Gibbs 1971 (Que); 3. Olson 1985 (Sask); 4. Polley and Bickis 1987 (Sask)

PHYLUM ACANTHOCEPHALA

CLASS ARCHIACANTHOCEPHALA

ORDER OLIGACANTHORHYNCHIDA

FAMILY OLIGACANTHORHYNCHIDAE

Macracanthorhynchus hirudinaceus (Pallas, 1781)
Site: [intestine]
Host: *Sus scrofa*
Dist.: Ont
Record: Swales 1933b

CLASS PALAEACANTHOCEPHALA

ORDER POLYMORPHIDA

FAMILY POLYMORPHIDAE

Corynosoma semerme (Forssell, 1904)
Site: [intestine]
Host: *Canis familiaris*
Dist.: NWT
Record: Cameron et al. 1940

PHYLUM CHELICERATA

CLASS ARACHNIDA

SUBCLASS ACARI

ORDER ACARIFORMES

SUBORDER ACARIDIDA

FAMILY PSOROPTIDAE

Chorioptes bovis (Hering, 1845) Gervais and Van Beneden, 1859
Site: unspecified
Hosts: *Bos taurus (1,2,3)*
Equus caballus (1)
Dist.: Alta, BC, Ont

Record: 1. Slocombe 1973a (Ont); 2. Lavigne and Smith 1983 (Alta, BC); 3. Kennedy and Kralka 1986 (Alta)
Remarks: Slocombe (1973a) recorded the mite as *Chorioptes* spp.

Otodectes cynotis (Hering, 1838) Canestrini, 1894
Site: ear
Hosts: *Canis familiaris (2)*
Felis catus (1,2,3)
Dist.: BC, NB, Que
Records: 1. Spencer 1940 (BC); 2. Sweatman 1958 (Que); 3. Malloy and Embil 1978 (NB)

Otodectes cynotis canis Sewell
Host: *Canis familiaris*
Dist.: BC
Record: Spencer 1939

Otodectes cynotis felis Huber
Host: *Felis catus*
Dist: BC
Record: Spencer 1939

Psoroptes spp.
Site: unspecified
Host: *Equus caballus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY SARCOPTIDAE

Notoedres spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

Sarcoptes scabiei (Linnaeus, 1758)
Site: unspecified
Hosts: *Bos taurus (2,3,5)*
Canis familiaris (2)
Felis catus (1)
Sus scrofa (2,4,6)
Dist.: Alta, BC, NB, Ont, Que
Record: 1. Tyrrell 1883 (unspecified); 2. Slocombe 1973a (Ont); 3. Lavigne and Smith 1983 (Alta, BC); 4. Martineau et al. 1984 (Que); 5. Kennedy and Kralka 1986 (Alta); 6. Smith 1986 (NB)

SUBORDER ACTINEDIDA

FAMILY CHEYLETIDAE

Cheyletiella spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont, Sask
Record: Slocombe 1973a (Ont); Olson 1985 (Sask)

FAMILY DEMODICIDAE

Demodex bovis Stiles, 1892
Site: [skin]
Host: *Bos taurus*
Dist.: Alta, Ont
Record: Smith 1961 (Ont); Kennedy and Kralka 1986 (Alta)

Demodex phylloides Croker
Host: *Sus scrofa*
Dist.: Ont
Records: Jarvis 1910; MacNay 1952
Remarks: MacNay (1952) felt his specimens were probably *D. phylloides.*

Demodex spp.
Site: unspecified
Hosts: *Bos taurus*
Canis familiaris
Dist.: Ont
Record: Slocombe 1973a

FAMILY PSORERGATIDAE

Psorergates bos Johnston, 1964
Site: [skin]
Host: *Bos taurus*
Dist.: Alta, unspecified
Records: Lavigne and Smith 1983 (unspecified); Kennedy and Kralka 1986 (Alta)

FAMILY TROMBICULIDAE

Unidentified Trombiculidae
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

ORDER PARASITIFORMES

SUBORDER GAMASIDA

FAMILY DERMANYSSIDAE

Pneumonyssus spp.
Site: Unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

SUBORDER IXODIDA

FAMILY ARGASIDAE

Otobius lagophilus Cooley and Kohls, 1940
Site: unspecified
Host: *Felis catus*
Dist.: Alta
Record: Brown 1944b

Otobius megnini (Duges, 1883) Banks, 1912
Site: unspecified
Hosts: *Bos taurus (2, 3)*
Felis catus (1, 3)
Ovis aries (2)
Dist.: BC
Record: 1. Gregson 1953; 2. MacNay 1957; 3. Rich 1957

Otobius spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

FAMILY IXODIDAE

Dermacentor albipictus (Packard, 1869) Banks, 1908
Syn.: *Dermacentor erraticus* var. *albipictus* (Packard)
Site: skin
Hosts: *Bos taurus (1,2,4,5,9)*
Canis familiaris (8)
Equus caballus (1,2,3,4,5,6,7,8)
Dist.: Alta, BC, NB, NS, Sask
Records: 1. Hewitt 1915 (BC, NB); 2. Cameron and Fulton 1927 (Sask); 3. Hearle 1933 (BC), 4. 1938 (BC); 5. Bequaert 1945 (NB, NS); 6. Brown and Kohls 1950 (Alta); 7. MacNay 1952 (BC), 8. 1957 (Sask); 9. Wilkinson and Lawson 1965 (unspecified)

Dermacentor andersoni Stiles, 1905
Syn.: *Dermacentor venustus* Banks, 1908
Site: skin
Hosts: *Bos taurus (3,7,10,11,12,14,15,17,19,20)*
Canis familiaris (6,13,18)
Equus caballus (2,6,7,13)
Felis catus (13)
Ovis aries (1,4,5,6,7,8,9,11,13)
Sus scrofa (13)
unspecified (12)
Dist.: Alta, BC, Sask
Records: 1. Hadwen 1913 (BC); 2. Hewitt 1915 (Alta, BC); 3. Hearle 1933 (BC); 4. Gregson 1935 (BC), 5. 1937 (BC); 6. Hearle 1938 (BC); 7. Holland 1940 (Alta); 8. Gregson 1947 (BC), 9. 1952 (BC); 10. MacNay 1952 (BC, Sask); 11. Weintraub 1952 (BC); 12. MacNay 1957 (BC); 13. Gregson 1958a (BC); 14. Gregson 1958c (BC); 15. Wilkinson and Lawson 1965 (Alta, BC); 16. Wilkinson 1968 (BC), 17. 1972 (Alta, BC, Sask); 18. Burt et al. 1979 (BC); 19. Wilkinson 1981 (Alta, BC), 20. 1982 (BC)

Dermacentor variabilis (Say, 1821) Banks, 1908
Site: unspecified
Host: *Canis familiaris (1,2,3)*
collected by flagging (4)
Dist.: Man, NS, Ont
Records: 1. Bequaert 1945 (Ont); 2. MacNay 1952 (Man); 3. Judd 1953 (Ont); 4. Hall and McKiel 1961 (NS)

Dermacentor spp.
Site: unspecified
Hosts: *Felis catus*
Equus caballus
Dist.: Ont
Record: Slocombe 1973a

Haemaphysalis cinnabarina Koch
Host: *Bos taurus*
Dist.: Man
Record: Hewitt 1915

Haemaphysalis leporis-palustris (Packard)
Host: *Felis catus*
Dist.: BC
Record: Hearle 1938

Ixodes cookei Packard, 1869
Syn.: *Ixodes hexagonus cookei* Packard, 1869
Hosts: *Bos taurus (3)*
Canis familiaris (1,2,3,4)
Felis catus (3,5)
Dist.: BC, NB, Ont, Que
Records: 1. Hewitt 1915 (Ont); 2. Hearle 1938 (BC); 3. Bequaert 1945 (NB, Ont, Que); 4. Cooley and Kohls 1945 (Ont); 5. Judd 1954 (Ont)

Ixodes ricinus Linnaeus
Host: *Canis familiaris*
Dist.: BC
Records: Hewitt 1915; Hearle 1938

Ixodes ricinus scapularis Say
Host: *Canis familiaris*
Dist.: BC
Record: Hearle 1938

Ixodes spp.
Site: unspecified
Hosts: *Canis familiaris*
Felis catus
Dist.: Ont
Record: Slocombe 1973a

Rhipicephalus sanguineus (Latreille, 1806) Koch, 1844
Site: unspecified
Host: *Canis familiaris*
Dist.: BC, NS, Ont
Record: Bequaert 1945 (NS, Ont); MacNay 1957 (Ont); Spencer 1960 (BC); Wright 1979 (NS)

Rhipicephalus spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

PHYLUM UNIRAMIA

CLASS INSECTA

ORDER DIPTERA

FAMILY CALLIPHORIDAE

Calliphora spp.
Host: unspecified
Dist.: BC
Record: MacNay 1952

Lucilia illustris Meigen, 1826
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Teskey 1960

Lucilia sericata (Meigen, 1826)
Syn.: *Phaenicia sericata* (Meigen, 1826)
Host: *Ovis aries*
Dist.: Nfld
Record: MacNay 1957

Phormia regina Meigen, 1826
Site: unspecified
Hosts: *Bos taurus (1)*
Ovis aries (2)
Dist.: BC, Ont
Records 1. Hearle 1933 (BC); 2. Teskey 1960 (Ont)

Phormia terranovae Robineau-Desvoidy, 1830
Syn.: *Protophormia terranovae* (Robineau-Desvoidy, 1830) Townsend, 1908
Site: unspecified
Host: *Ovis aries*
Dist.: Ont
Record: Teskey 1960

Wohlfahrtia opaca (Coquillet)
Site: unspecified
Host: unspecified
Dist.: BC
Record: MacNay 1952

Wohlfahrtia vigil (Walker, 1949)
Site: unspecified
Host: unspecified
Dist.: BC
Record: MacNay 1952

Unidentified Calliphoridae
Site: unspecified
Host: *Felis catus*
Dist.: Ont
Record: Slocombe 1973a

FAMILY CUTEREBRIDAE

Cuterebra spp.
Site: unspecified
Hosts: *Canis familiaris (2)*
Felis catus (1,2)
Dist.: Ont
Records: 1. Scholten et al. 1962; 2. Slocombe 1973a

FAMILY GASTEROPHILIDAE

Gasterophilus intestinalis (De Geer, 1776) Leach, 1817
Site: mouth
Host: *Equus caballus (2,3,4,5)*
unspecified (1)
Dist.: Alta, Ont, Sask
Records: 1. MacNay 1952 (Sask); 2. Nelson 1952 (Alta); 3. Teskey 1960 (Ont); 4. Slocombe 1973a (Ont); 5. Slocombe et al. 1987 (Ont)

Gasterophilus nasalis (Linnaeus, 1758) Leach, 1817
Site: mouth
Host: *Equus caballus*
Dist.: Alta, Ont
Records: Nelson 1952 (Alta); Teskey 1960 (Ont); Slocombe 1973a (Ont); Slocombe et al. 1987 (Ont)

Gasterophilus spp.
Host: *Equus caballus*
Dist.: Man
Record: MacNay 1952

FAMILY HIPPOBOSCIDAE

Melophagus ovinus (Linnaeus, 1758) Latreille, 1802
Site: skin
Host: *Ovis aries*
Dist.: BC, Ont, Sask
Records: Spencer 1939 (BC), 1939 (BC); MacNay 1952 (BC); Teskey 1960 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

FAMILY OESTRIDAE

Hypoderma bovis (Linnaeus, 1758) Latreille, 1818
Site: subcutaneous tissues
Host: *Bos taurus*
Dist.: Alta, BC, Man, Ont, Que, Sask
Records: Gregson 1958b (Alta, BC); Teskey 1960 (Ont); Murray 1967 (Man); Clermont and Ruppanner 1975 (Que); Khan 1981 (Alta); Galloway and Harlos 1982 (Man, Sask, Alta)

Hypoderma lineatum (Villers, 1789) Latreille, 1818
Site: subcutaneous tissues
Host: *Bos taurus*
Dist.: Alta, BC, Man
Records: Gregson 1958b (Alta, BC); Murray 1967 (Man); Nelson and Weintraub 1972 (Alta); Khan 1981 (Alta)

Hypoderma spp.
Site: oesophagus, subcutaneous tissues
Hosts: *Bos taurus (2,3)*
Equus caballus (2)
unspecified (1)
Dist.: Alta, BC, Man, Ont, Sask
Records: 1. MacNay 1957 (Alta, BC, Man, Ont); 2. Slocombe 1973a (Ont); 3. Blakley 1979 (Sask)

Oestrus ovis Linnaeus, 1761
Site: unspecified
Host: *Ovis aries*
Dist.: Ont, Western Canada
Records: Fallis 1940 (Ont, Western Canada); Teskey 1960 (Ont); Slocombe 1973a (Ont)

Unidentified Diptera
Site: lung
Host: *Ovis aries*
Dist.: BC
Record: MacNay 1952
Remarks: One rat-tailed maggot found in the lung of a sheep (MacNay 1952).

ORDER MALLOPHAGA

SUBORDER ISCHNOCERA

Damalinia bovis (Linnaeus, 1758) Mjoberg, 1910
Syn.: *Bovicola bovis*
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, BC, Man, NS, Ont, Que
Record: Thompson 1934 (NS, Que); Whitehead 1934 (Que); Spencer 1939 (BC); MacNay 1952 (Man); Hopkins 1960 (BC); Teskey 1960 (Ont); Lavigne and Smith 1983 (Alta, BC); Kennedy and Kralka 1986 (Alta)
Remarks: Lyal (1987) classified this louse as *Bovicola bovis*.

Damalinia caprae (Gurlt, 1843)
Syn.: *Bovicola caprae* (Gurlt, 1843)
Host: *Capra hircus*
Dist.: BC
Record: Spencer 1939
Remarks: According to Lyal (1987) this is *Bovicola caprae*.

Damalinia equi (Denny, 1842)
Syn: *Trichodectes equi* (Linnaeus)
Site: [skin]
Host: *Equus cabalus*
Dist.: BC
Record: Spencer 1939; Hopkins 1960
Remarks: According to Lyal (1987) this is *Werneckiella equi*.

Damalinia limbata (Gervais, 1844) Mjoberg, 1910
Site: unspecified
Host: *Capra hircus*
Dist.: Ont
Record: Teskey 1960
Remarks: According to Lyal (1987) this is *Bovicola limbatus*.

Damalinia spp.
Site: unspecified
Hosts: *Bos taurus*
Equus caballus
Dist.: Ont
Record: Slocombe 1973a

Felicola subrostratus (Nitzsch, 1838)
Site: [skin]
Host: *Felis catus*
Dist.: BC, Que
Records: Whitehead 1934 (Que); Hopkins 1960 (BC)

Trichodectes canis (de Geer, 1778)
Site: [skin]
Host: *Canis familiaris*
Dist.: BC
Records: Spencer 1939; Hopkins 1960

Trichodectes spp.
Site: unspecified
Host: *Canis familiaris*
Dist.: Ont
Record: Slocombe 1973a

ORDER SIPHONAPTERA

FAMILY CERATOPHYLLIDAE

Monopsyllus vison (Baker, 1904)
Site: [skin]
Host: *Felis catus*
Dist.: Sask
Record: Holland 1984

FAMILY HYSTRICHOPSYLLIDAE

Tamiophila grandis (Rothschild, 1902)
Site: [skin]
Host: *Canis familiaris*
Dist.: NB
Record: Brown 1968

FAMILY PULICIDAE

Ctenocephalides canis (Curtis, 1826)
Hosts: *Canis familiaris (1,2,3,4,5,6)*
Felis catus (3,4)
Dist.: Alta, BC, NB, Ont
Records: 1. Harvey 1907 (BC); 2. Spencer 1936 (BC), 3. 1939 (BC); 4. Brown 1944a (Alta); 5. Brown 1955 (NB); 6. Holland 1984 (BC, Ont)

Ctenocephalides felis (Bouche, 1835)
Hosts: *Canis familiarus (2,3)*
Felis catus (1,2,3)
Dist.: BC, NS
Records: 1. Spencer 1936 (BC), 2. 1939 (BC); 3. Wright 1979 (NS)

Ctenocephalides felis felis (Bouche, 1835)
Site: unspecified
Hosts: *Canis familiaris (2,3,4)*
Felis catus (1,2,3,4)
Dist.: Alta, BC, Man, Nfld, NB, NS, Ont, Que, Sask
Records: 1. Brown 1944a (Alta); 2. Brown 1955 (NB, NS); 3. Buckner 1964 (Man); 4. Holland 1984 (BC, Man, Nfld, NS, Ont, Que, Sask)

Ctenocephalides spp.
Site: unspecified
Hosts: *Felis catus (3)*
unspecified (1,2)
Dist.: Canada, Ont, PEI
Records: 1. MacNay 1952 (Ont, PEI), 2. 1957 (Canada); 3. Slocombe 1973a (Ont)
Remarks: MacNay (1957) refered to *Ctenocephalides* spp. as infesting household pets from coast to coast.

ORDER SIPHUNCULATA

FAMILY HAEMATOPINIDAE

Haematopinus asini (Linnaeus, 1775)
Host: *Equus caballus*
Dist.: BC, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC), 1966 (BC)

Haematopinus eurysternus (Nitzsch, 1818)
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, BC, NS, Ont, Que
Records: Thompson 1934 (NS, Que); Whitehead 1934 (Que); Spencer 1939 (BC); Teskey 1960 (Ont); Spencer 1966 (BC); Lavigne and Smith 1983 (Alta, BC); Khan and Schaalje 1985 (Alta)

Haematopinus suis (Linnaeus, 1758) Leach, 1815
Site: unspecified
Host: *Sus scrofa*
Dist.: BC, Ont, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC); Rich 1952 (BC); Teskey 1960 (Ont); Spencer 1966 (BC); Wright 1979 (Que)

Haematopinus spp.
Site: unspecified
Hosts: *Bos taurus*
Equus caballus
Sus scrofa
Dist.: Ont
Record: Slocombe 1973a

FAMILY LINOGNATHIDAE

Linognathus pedalis (Osborn, 1896)
Site: [skin]
Host: *Ovis aries*
Dist.: BC
Record: Spencer 1939

*Linognathus setosus (*Olfers, 1816)
Syn.: *Linognathus piliferus* (Burmeister)
Site: [skin]
Host: *Canis familiaris*
Dist.: BC, Man, Ont, Que
Records: Whitehead 1934 (Que); Spencer 1939 (BC); MacNay 1952 (Man, Ont); Judd 1953 (Ont)

Linognathus stenopsis (Burmeister, 1839) Enderlein, 1905
Site: unspecified
Host: *Capra hircus*
Dist.: Ont
Record: Teskey 1960

Linognathus vituli (Linnaeus, 1758) Enderlein, 1905
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, BC, Ont, Que
Records: Whitehead 1934 (Que); Teskey 1960 (Ont); Lavigne and Smith 1983 (Alta, BC); Kennedy and Kralka 1986 (Alta)

Linognathus spp.
Site: unspecified
Hosts: *Bos taurus*
Canis familiaris
Dist.: Ont
Record: Slocombe 1973a

Solenopotes capillatus Enderlein, 1904
Site: unspecified
Host: *Bos taurus*
Dist.: Alta, Ont
Records: Teskey 1960 (Ont); Kennedy and Kralka 1986 (Alta)

Unidentified lice
Site: [skin]
Host: *Bos taurus*
Dist.: BC, Man
Record: MacNay 1957

HOST-PARASITE LIST

CLASS MAMMALIA

INFRACLASS EUTHERIA

ORDER ARTIODACTYLA

FAMILY BOVIDAE

Bos taurus Ox

PROTOZOA

Coccidia gen. sp. (Ont)
Cryptosporidium spp. (Man, Ont)
Eimeria alabamanensis (Alta, Ont)
E. arloingi (Ont)
E. auburnensis (Alta, Ont)
E. bovis (Alta, Ont)
E. bukidnonensis (Ont)
E. canadensis (Alta, Ont)
E. cylindrica (Alta, Ont)
E. ellipsodalis (Alta, Ont)
E. illinoisensis (Alta)
E. wyomingensis (Alta, Ont)
E. zuernii (Alta, Ont)
Eimeria sp. (Alta)
Giardia spp. (Sask)
Sarcocystis cruzi (Sask)
Sarcocystis hirsuta (Sask)
Sarcocystis (Ont, Sask)
Trichomonas spp. (Ont)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Que)
Trypanosoma rutherfordi (BC)
T. theileri (Ont)
T. uniforme (Ont)
Trypanosoma spp. (BC)

TREMATODA

Calicophoron microbothrioides (Que)
Dicrocoelium dendriticum (BC, Nfld)
Fasciola hepatica (Que)
Fascioloides magna (Alta, Ont)
Paramphistomum liorchis (Que)
Paramphistomum spp. (Alta, Ont)

CESTOIDEA

Moniezia benedeni egg (NB, Que)
M. expansa (Que)
Moniezia spp. (Ont, Que)
Taenia hydatigena (Ont, Que)
Taeniarhyncus saginatus (Ont, Sask)

NEMATODA

Ascaris lumbricoides larva (Ont)
Ascaris suum (Ont)
Bunostomum phlebotomum (Que)
B. trigonocephalum (Ont, Que)
Bunostomum spp. (Ont, Que)
Capillaria spp. (Ont, Que)
Cooperia mcmasteri (Ont)
Cooperia oncophora (NB, Nfld)
C. punctata (Ont)
Cooperia spp. (Alta, Ont, Que)
Dictyocaulus viviparus (Alta, Nfld, Ont, Que)
Dictyocaulus spp. (Ont)
Haemonchus contortus (Ont, Prairie Provinces, Que)
Haemonchus spp. (Alta, Ont)
Nematoda gen. sp. (Que)
Nematodirus helvetianus (NB, Ont)
Nematodirus spp. (Ont, Que)
Oesophagostomum radiatum (NB, Nfld, Ont, Que)
Oesophagostomum spp. (Ont, Que)
Onchocerca gutturosa (Ont, Que)
O. lienalis (Ont, Que)
Onchocerca spp. (Man, Sask)
Ostertagia circumcincta (Ont)
O. lyrata (Ont)
O. ostertagi (NB, Ont, Que)
O. trifurcata (Alta, Ont)
Ostertagia spp. (Alta, Ont, Que)
Parafilaria bovicola (Alta, Que)
Setaria labiatopapillosa (Alta, Man, Ont, Que)
Stephanofilaria stilesi (Alta)
Strongyloidea gen. sp. (Ont)
Strongyloides papillosus (Que)
Strongyloides spp. (Ont)
Thelazia gulosa (Ont)
T. lacrymalis (Ont)
T. skrjabini (Alta)
Thelazia spp. (Que)
Trichostrongyloidea gen. sp. egg (Ont)
Trichostrongylus axei (NB, Ont, Que)
Trichostrongylus spp. (Alta, Ont)
Trichuridae gen. sp. (Ont)
Trichuris discolor (Ont, NB, Que)
Trichuris ovis (NB, Que)
Trichuris spp. (Alta, NB, NWT, Ont, Sask)
Trichuris spp. egg (NB, Ont)
Unidentified Nematoda (Que, Sask)
Unidentified Rhabditoidea (Ont)

CHELICERATA

ACARI

Chorioptes bovis (Alta, BC, Ont)
Demodex bovis (Alta, Ont)
Demodex spp. (Ont)
Dermacentor andersoni (Alta, BC, Sask)
D. albipictus (BC, NB, NS, Sask)
Haemaphysalis cinnabarina (Man)
Ixodes cookei (NB, Ont, Que)
Otobius megnini (BC)
Psorergates bos (Alta)
Sarcoptes scabiei (Alta, BC, Ont)

UNIRAMIA

DIPTERA

Hypoderma bovis larva (Alta, BC, Man, Ont, Que, Sask)

H. lineatum (Alta, BC, Man)
Hypoderma spp. (Ont, Sask)
Phormia regina (BC)

MALLOPHAGA
Damalinia bovis (Alta, BC, Man, NS, Ont, Que)
Damalinia spp. (Ont)

SIPHUNCULATA
Haematopinus eurysternus (Alta, BC, NS, Ont, Que)
Haematopinus spp. (Ont)
Lice (unidentified) (BC, Man)
Linognathus vituli (Alta, BC, Ont, Que)
Linognathus spp. (Ont)
Solenopotes capillatus (Alta, Ont)

Capra hircus Domestic Goat
PROTOZOA
Toxoplasma gondii (Ont)

NEMATODA
Muellerius capillaris (Ont)
Muellerius spp. (Ont)

UNIRAMIA
MALLOPHAGA
Damalinia caprae (BC)
D. limbata (Ont)

SIPHUNCULATA
Linognathus stenopsis (Ont)

Ovis aries Domestic Sheep
PROTOZOA
Coccidia gen. sp. (Que, Sask)
Eimeria ahsata (Alta, Sask)
E. arloingi (Alta, Ont)
E. crandallis (Alta)
E. faurei (Alta)
E. granulosa (Alta)
E. intricata (Alta)
E. ninakohlyakimovae (Alta, Ont, Sask)
E. ovina (Sask)
E. pallida (Alta)
E. parva (Alta, Ont, Sask)
E. punctata (Alta)
Eimeria spp. (Que)
Sarcocystis spp. (Sask)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Ont, Que)

TREMATODA
Dicrocoelium dendriticum (NS, Que)
Fasciola hepatica (Canada, BC, NB, Que)

CESTOIDEA
Moniezia expansa (Canada, Nfld, NS, Ont, Que)
Moniezia spp. (Nfld, Sask)
Taenia hydatigena cysticercus (Alta, Canada, Ont, Que, Sask)
T. ovis (Canada, Man, NS)
Thysanosoma actinioides (Alta, BC, Canada, Sask)
Thysanosoma spp. (Ont, Sask)

NEMATODA
Ascaris suum (Que)
Ascaris spp. (Canada, Ont)
Bunostomum trigonocephalum (Canada, Nfld, NS, Ont, Que)
Bunostomum spp. (Que, Sask)
Capillaria longipes (Canada, Que)
Capillaria spp. (NS, Ont, Que)
Chabertia ovina (Canada, NS, Ont, Que)
Chabertia spp. (Ont, Sask)
Cooperia curticei (Canada, NS, Ont, Que)
C. oncophora (Canada, NS, Ont, Que)
Cooperia spp. (Ont, Que, Sask)
Dictyocaulus filaria (Alta, Canada, Nfld, Ont, PEI, Que)
Dictyocaulus spp. (Ont)
Gongylonema pulchrum (Canada, Ont)
Haemonchus contortus (Canada, NS, Ont, Que)
Haemonchus spp. (Ont, Que, Sask)
Muellerius capillaris (Canada, Ont)
Muellerius spp. (Ont)
Nematodirus abnormalis (Nfld)
N. battus (NS, PEI)
N. filicollis (Canada, NS, Ont, Que)
N. helvetianus (NB, Ont)
N. spathiger (Canada, Nfld, NS, Ont, Que)
Nematodirus spp. (Ont, Que, Sask)
Oesophagostomum columbianum (Canada, NS, Ont, Que)
O. venulosum (Canada, Nfld, NS, Ont, Que)
Oesophagostomum spp. (Nfld, Ont, Que)
Ostertagia circumcincta (Canada, Maritimes, Nfld, NS, Ont, Que)
O. trifurcata (Maritimes, NS, Que)
Ostertagia spp. (Ont, Que, Sask)
Parelaphostrongylus tenuis (Ont)
Protostrongylus spp. (Ont)
Skrjabinema spp. (Sask)
Strongyloides papillosus (Canada, NS, Ont, Que)
Strongyloides spp. (Ont, Que, Sask)
Telodorsagia davtiani (Maritimes, NS)
Trichostrongylus axei (Canada, NS, Ont, Que)
T. colubriformis (Canada, NS, Ont, Que)
T. vitrinus (Canada, NS, Ont, Que)
Trichostrongylus spp. (Ont, Que, Sask)
Trichuris ovis (Canada, Nfld, NB, NS, Ont, Que)

Trichuris spp. (Alta, NWT, Ont, Sask)

CHELICERATA
ACARINA
Dermacentor andersoni (Alta, BC)
Otobius megnini (BC)

UNIRAMIA
DIPTERA
Lucilia illustris (Ont)
L. sericata (Nfld)
Melophagus ovinus (BC, Ont, Sask)
Oestrus ovis (Ont, Western Canada)
Phormia regina (Ont)
P. terranovae (Ont)
Unidentified Diptera (BC)

SIPHUNCULATA
Linognathus pedalis (BC)

FAMILY SUIDAE

Sus scrofa Domestic Pig
PROTOZOA
Balantidium spp. (Ont)
Cryptosporidium spp. (Ont)
Eimeria dublieki (Ont, Que)
Isospora suis (Ont, Que)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Ont)
Trichomonas spp. (Ont)
Unidentified Eucoccidiida (Que)

TREMATODA
Paragonimus spp. (Ont)

CESTOIDEA
Echinococcus granulosus hydatid cyst (Ont)
Echinococcus spp. hydatid (Ont)
Multiceps spp. (Ont)
Taenia hydatigena (Que)
T. solium (Man, Ont, Sask)

NEMATODA
Ascaris lumbricoides larva (All Provinces, Ont)
A. suum (Nfld, Que, Sask)
Ascaris spp. (Ont)
Ascarops spp. (Ont)
Hyostrongylus rubidus (Ont, Que)
Hyostrongylus spp. (Ont)
Metastrongylus apri (NB)
M. pudendotectus (Ont)
M. salmi (NS, Ont, PEI, Que)
Metastrongylus spp. (Ont)
Oesophagostomum dentatum (NB, Ont, Que)
O. quadrispinulatum (NB)
Oesophagostomum spp. (NB, Ont, Que)
Ollulanus tricuspis (Ont)
Physocephalus spp. (Ont)
Stephanurus dentatus (Man, NS)
Strongyloides ransomi (NB)
Strongyloides spp. (Ont)
Trichinella spiralis cyst larva (BC, Man, NB, NS, Ont, PEI, Que)
T.s. spiralis (NS)
Trichinella spp. (NB)
Trichuris suis (NB, Ont, Que)
Trichuris spp. (Ont)

ACANTHOCEPHALA
Macracanthorhynchus hirudinaceus (Ont)

CHELICERATA
ACARI
Demodex phylloides (Ont)
Dermacentor andersoni (BC)
Sarcoptes scabiei (NB, Ont, Que)

UNIRAMIA
SIPHUNCULATA
Haematopinus suis (BC, Ont, Que)
Haematopinus spp. (Ont)

ORDER CARNIVORA

FAMILY CANIDAE

Canis familiaris Domestic Dog
PROTOZOA
Eimeria canis (Ont, Que)
Endolimax nana (Sask)
Entamoeba blattae (Que)
E. coli (Que, Sask)
E. histolytica (Que, Sask)
Giardia canis (Que, Sask)
Giardia spp. (Alta, NS, Ont)
Isospora bigemina (Que, Sask)
I. canis (Sask)
I. felis (Ont, Que)
I. ohioensis (Sask)
I. rivolta (Ont, Que)
I. wallacei (Sask)
Isospora spp. (Alta, NB, NWT, Que, Sask)
Toxoplasma gondii (Ont, Que)
Toxoplasma spp. (Ont)
Trichomonas spp. (Ont)

TREMATODA
Alaria arisaemoides (Sask)
A. canis (Ont)
Alaria spp. (Alta, NWT, Ont, Que, Sask)
Cryptocotyle lingua (Nfld, Que)
Metorchis conjunctus (Alta, Man, NWT, Ont, Que, Sask)
Metorchis spp. (Sask)
Nanophyetus salmincola (BC)
Paragonimus kellicotti (Ont)
Paragonimus spp. (Ont)
Parametorchis complexus (Man)
Unidentified Trematoda (Man, NWT, Que)

CESTOIDEA

Diphyllobothrium latum (Alta, Nfld, NWT, Que, Sask)
Diphyllobothrium spp. (Alta, Man, Nfld, NWT, Ont, Que, Sask)
Dipylidium caninum (NB, Nfld, NWT, Ont)
Dipylidium spp. (Ont, Sask)
Echinococcus granulosus (Ont, Que)
Mesocestoides spp. (Ont)
Taenia crassiceps (Ont)
T. elliptica (Que)
T. hydatigena (Nfld, Que)
T. pisiformis (Alta, Nfld, NWT, Ont, Que)
T. serialis (Alta, NWT)
Taenia spp. (BC, Man, NWT, Ont, Que, Sask)
Taenia/*Echinococcus* spp. (egg) (Alta, NWT, Sask)
Unidentified Cestoidea (Man, Que)

NEMATODA

Ancylostomatidae gen. sp. (Alta, NB, NWT, Que, Sask)
Ancylostomum caninum (Alta, Ont, Que)
Ancylostomum spp. (Ont, Sask)
Ascaris spp. (Que)
Capillaria aerophila (Que)
Capillaria spp. (Ont)
Crenosoma vulpis (Nfld)
Dioctophyma renale (Man, NWT, Ont, Que)
Dipetalonema spp. (Ont)
Dirofilaria immitis (Alta, Ont, Sask)
Dirofilaria spp. (Ont)
Dracunculus insignis (Que)
Filaroides milksi (BC)
Filaroides spp. (Ont)
Oslerus osleri (Que)
Pelodera strongyloides (Ont)
Physaloptera rara (Que)
Spirocerca spp. (Ont)
Strongyloides stercoralis (Que)
Strongyloides spp. (Ont)
Toxascaris leonina (Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask)
Toxascaris spp. (Ont, Sask)
Toxocara canis (Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask)
Toxocara spp. (Ont, Sask)
Trichuris vulpis (Nfld, Ont, Que)
Trichuris spp. (Alta, NWT, Ont, Sask)
Trichuris spp. egg (NB, Que, Sask)
Uncinaria stenocephala (Alta, BC, Man, Nfld, NWT, Ont, Que)
Uncinaria spp. (Ont, Sask)
Unidentified Nematoda (Sask)
Unidentified Rhabditoidea (Ont)

ACANTHOCEPHALA

Corynosoma semerme (NWT)

CHELICERATA

ACARI

Cheyletiella spp. (Ont, Sask)
Demodex spp. (Ont)
Dermacentor albipictus (Sask)
D. andersoni (BC)
D. variabilis (Man, Ont)
Ixodes cookei (BC, NB, Ont, Que)
I. ricinus (BC)
I. ricinus var. *scapularis* (BC)
Ixodes spp. (Ont)
Notoedres spp. (Ont)
Otobius spp. (Ont)
Otodectes cynotis (Que)
O. cynotis var. *canis* (BC)
Pneumonyssus spp. (Ont)
Rhipicephalus sanguineus (BC, NS, Ont)
Rhipicephalus spp. (Ont)
Sarcoptes scabiei (Ont)
Trombiculidae gen. sp. (Ont)

UNIRAMIA

DIPTERA

Cuterebra spp. (Ont)

MALLOPHAGA

Trichodectes canis (BC)
Trichodectes spp. (Ont)

SIPHONAPTERA

Ctenocephalides canis (Alta, BC, NB, Ont)
C. felis (BC, NS)
C.f. felis (BC, Man, NB, Nfld, NS, Ont, Que, Sask)
Ctenocephalides felis felis (BC, Man, NB, Nfld, NS, Ont, Que, Sask)
Tamiophila grandis (NB)

SIPHUNCULATA

Linognathus setosus (BC, Man, Ont, Que)
Linognathus spp. (Ont)

FAMILY FELIDAE

Felis catus Domestic Cat

PROTOZOA

Isospora felis (Ont)
I. rivolta (Ont)
Isospora spp. (NB)
Toxoplasma gondii (Ont, Sask)
Toxoplasma spp. (Ont, Que)

TREMATODA

Metorchis conjunctus (Ont, Que)
Paragonimus kellicotti (Ont)
Parametorchis complexus (Alta)
Plagiorchis massino (Nfld)

CESTOIDEA

Diphyllobothrium dendriticum (Nfld)
Diphyllobothrium spp. (Ont)
Dipylidium caninum (Nfld, Ont)
Dipylidium spp. (Ont)
Echinococcus multilocularis (Sask)
Taenia taeniaeformis (Nfld, Que)
Taenia spp. (Ont)

NEMATODA

Aelurostrongylus spp. (Ont)
Ancylostomum spp. (Ont)
Capillaria aerophila (Ont)
Capillaria hepatica (NB)
Capillaria spp. (Ont)
Dirofilaria immitis (Ont)
Ollulanus tricuspis (Alta, Ont, Que)
Rhabditoidea gen. sp. (Ont)
Strongyloides spp. (Ont)
Toxascaris leonina (NB, Nfld)
Toxascaris spp. (Ont)
Toxascaris cati (NB, Nfld, NS, Que)
Toxocara spp. (Ont)

CHELICERATA

ACARI

Dermacentor andersoni (BC)
Dermacentor spp. (Ont)
Haemophysalis leporis-palustris (BC)
Ixodes cookei (NB, Ont, Que)
Ixodes spp. (Ont)
Otobius lagophilus (Alta)
O. megnini (BC)
Otodectes cynotis (BC, NB, Que)
O. cynotis var. *felis* (BC)
Sarcoptes scabiei (unspecified)

UNIRAMIA

DIPTERA

Calliphoridae gen. sp. (Ont)
Cuterebra spp. (Ont)

MALLOPHAGA

Felicola subrostratus (BC, Que)

SIPHONAPTERA

Ctenocephalides canis (Alta, BC)
C. felis (BC, NS)
C. f. felis (Alta, BC, Man, Nfld, NB, NS, Ont, Que, Sask)
Ctenocephalides spp. (Ont)
Monopsyllus vison (Sask)

ORDER PERISSODACTYLA

FAMILY EQUIDAE

Equus caballus Domestic Horse

PROTOZOA

Cryptosporidium spp. (Sask)
Eimeria crandallis (Ont)
E. granulosa (Ont)
E. intricata (Ont)
E. leuckarti (Ont)
Klossiella equi (NB)
Sarcocystis spp. (Ont)
Toxoplasma gondii (Ont)
Toxoplasma spp. (Ont, Sask)
Trichomonas spp. (Ont)
Trypanosoma equiperdum (Alta)

CESTOIDEA

Anoplocephala magna (Ont, Que)
A. perfoliata (Nfld, Ont)
Anoplocephala spp. (Ont)
Paranoplocephala mamillana (BC, Que, Sask)

NEMATODA

Capillaria hepatica (Alta)
Citellinema bifurcatum (Sask)
Cyathostoma spp. (Nfld)
Cyathostomum catinatum (Alta, Nfld, Sask)
C. coronatum (Sask)
C. labiatum (Alta, Sask)
C. labratum (Alta, Sask)
Cylicocyclus elongatus (Nfld, Sask)
C. insigne (Alta)
C. nassatus (Alta, Nfld, Sask)
C. radiatus (Alta, Sask)
Cylicodontophorus bicornatus (Alta, Sask)
Cylicostephanus calicatus (Alta, Sask)
C. goldi (Alta, Sask)
C. poculatus (Alta, Nfld, Sask)
Dictyocaulus arnfieldi (Ont)
Dictyocaulus spp. (Ont)
Gyalocephalus capitatus (Alta, NB, Ont, Sask)
Gyalocephalus spp. (NB)
Habronema majus (Ont)
H. muscae (Ont)
Habronema spp. (Ont)
Nematoda gen. sp. (Nfld)
Nematodirus spathiger (Que)
Oesophagodontus robustus (Alta, Nfld, Ont, Que, Sask)
Oesophagodontus spp. (NB)
Onchocerca cervicalis (BC, Que)
Onchocerca sp. (Alta, BC, Man, Sask)
Oxyuris equi (NB, Nfld, Ont, Que)
Oxyuris spp. (Ont)
Parascaris equorum (NB, Nfld, Ont, Que)
Parascaris spp. (Ont)
Poteriostomum spp. (NB)
Probstmayria vivipara (NB, Que)
Setaria equina (Ont, Que)
Setaria spp. (Ont)
Strongyles gen. sp. (NB, Ont, Que)
Strongyloides spp. (Ont)
Strongylus edentatus (Alta, NB, Nfld, Ont, Que, Sask)

S. equinus (Alta, NB, Ont, Que, Sask)
S. vulgaris (Alta, NB, Nfld, Ont, Que, Sask)
Strongylus spp. (NB, Ont)
Thelazia lacrymalis (Ont, Que)
Thelazia spp. (Ont)
Triodontophorus brevicauda (Alta, Que, Sask)
T. minor (Nfld)
T. serratus (Alta, Nfld, Ont, Que, Sask)
T. tenuicollis (Alta, Sask)
Triodontophorus spp. (NB, Ont)
Unidentified Nematoda (Nfld)

CHELICERATA
ACARI
Chorioptes spp. (Ont)
Dermacentor albipictus (Alta, BC, NB, NS, Sask)
D. andersoni (Alta, BC)
Dermacentor spp. (Ont)
Psoroptes spp. (Ont)

UNIRAMIA
DIPTERA
Gasterophilus intestinalis (Alta, Ont)
G. nasalis (Alta, Ont)
Gasterophilus spp. (Man)
Hypoderma spp. (Ont)

MALLOPHAGA
Damalinia equi (BC)
Damalinia spp. (Ont)

SIPHUNCULATA
Haematopinus asini (BC, Que)
Haematopinus spp. (Ont)

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